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U. S. Department of Agriculture

For the Nursery and Fruit Trade and Allied Interests

Vol. XII

SEPTEMBER

No. 3

Leads all Hardy Perennials in Popular Favor

The Peony as Effective in Its Way as the
Rhododendron or the Rose

THAT Peonies are as fine and effective in their way as rhododendrons or roses, is now being very generally recognized. They are hardier and more easily cultivated than either of their rivals, and are being used in the same way for bold displays of color. Their flowers are very lasting; some of them are finely finished and exquisitely colored. The Peony societies are doing good work in extending the culture of this grand old flower.

We have a large stock of the leading named varieties. As in the case of all our ornamentals quality is unsurpassed.



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As a cut flower, they have gained in popularity with astonishing rapidity.

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NURSERIES

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blue rose, is a seedling of Crimson
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UNITED STATES NURSERY CO., ROSEACRES—Field grown roses, shrubs, Iris, Peonies.

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CHARLES BLACK, HIGHTSTOWN—Large stock of Cal. Privet 1 and 2 year old, 12 in. to 4 ft.; grade and price will please; special low prices on our car lots. Also Ampelopsis Veitchii, strong transplanted 2 year plants.

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ELLWANGER & BARRY, ROCHESTER—Fruit and ornamental trees, shrubs, evergreens, roses, hardy plants. Catalog on request. LARGEST AND MOST VARIED COLLECTIONS IN AMERICA.

JACKSON & PERKINS COMPANY, NEWARK—Ornamentals, roses, clematis, tree hydrangeas, perennials, etc. Agents for foreign houses selling French fruit tree seedlings. Belgian Azaleas, exotic plants, etc. WHOLESALE ONLY.

W. & T. SMITH CO., GENEVA—Highest grade stock of fruit and ornamental trees, shrubs, roses, evergreens, vines, etc. Catalogs. LOWEST PRICES CONSISTENT WITH QUALITY.

C. L. VAN INWAGEN, NEWARK, N. Y.—Grower and dealer in Nursery Stock. Black Diamond and Columbian Tip and Transplants, Dahlia and Gladiolus Bulbs, German Iris, Phlox, Paeonies, and Strawberry Plants.

THE VAN DUSEN NURSERIES, W. L. McKAY, PROPRIETOR, GENEVA—Grower of fruit trees, small fruits, ornamental stock. PEACH TREES, constant renewal of buds from tested bearing trees. Issues catalogue.

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JOHN A. YOUNG, GREENSBORO—Natural peach pits and general nursery stock.

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THE L. GREEN & SON CO., PERRY, LAKE COUNTY—A general line of all kinds of nursery stock.

XENIA STAR NURSERIES, XENIA—Wholesale growers of fruit and ornamental nursery stock. Seed potatoes. Raspberry, Blackberry, Strawberry plants. Complete assortment.

W. N. SCARFF, NEW CARLISLE—Everything in small fruit plants. Ask for price list. Large stock and great variety.

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SOUTHERN NURSERY CO., WINCHESTER—Apples, 2 year old, grafts and buds. Shade and ornamental stock. Roses on own roots. Let us price your list.

GREENBRIER NURSERY CO., GREENBRIER—Peach buds, twenty-five leading commercial varieties. Ask for list.

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ALGOA FRUIT & NURSERY CO., ALGOA, TEXAS—Southern Specialists in oranges and other citrus fruits, Magnolias, Figs, Magnolia Graniflora, Jasmine, Arbor Vitae and hardy ornamentals. Wholesale and retail.

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KNIVES

MAHER & GROSH CO., TOLEDO—Nurserymen's knives of all kinds. Propagating knives, pruners, budders, grafters.

Seven Reasons For Fall Spraying.

One of the most interesting little booklets that has come to our notice in many a day, is one entitled, "The Whys and Wherefores of Fall Spraying," issued by the B. G. Pratt Co., 50 Church St., New York City, manufacturers of "SCALECIDE." In about one hundred words Mr. Pratt has given seven reasons for Fall Spraying and each reason is sane and sound. Mr. Pratt's arguments are packed up by the opinion of several successful arborists and nurserymen, also the Bulletins issued by the Experiment Stations of several States.

One or more of these booklets will be promptly mailed upon request to the B. G. Pratt Co.

Raisin Seeder Patent.

The United States Consolidated Seeded Raisin Co., Fresno, Cal., has received a decision from the United States Circuit Court sustaining its judgment for \$48,000 against the Selma Fruit Co., for infringement of the Petit raisin seeder patent.

The Western Nursery Company of Logan, Utah, has filed articles of incorporation with the Secretary of State. The company has a capital stock of \$10,000, with shares at the par value of \$1 each. The officers are: F. E. Clark, president; H. C. Clark, vice-president; G. D. Cardon, secretary; Katherine S. Clark, treasurer.

The business and good will of the Pioneer Nursery, Monrovia, Cal., has been sold by R. H. Wilson to the Pioneer Nursery Co., A. Foster, president, Geo. H. Jackson, manager. The Pioneer Nursery is the old nursery in the county, having been established in 1876 by the retiring proprietor.

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It is a well known fact that California Peach Pits produce fine, healthy seedlings. We are prepared to offer special inducements on pits in carload lots, and less if desired.

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American Fruits

Chief International Journal of the Nursery Trade

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ROCHESTER, N. Y., SEPTEMBER, 1910

No. 3

Nurserymen Offer Valuable Prizes

Six States Represented in Donations to Stimulate Interest in National Apple Show at Spokane in November---What the Nurserymen Say

TEN thousand apple trees, 15,000 apple seedlings, 1200 grape vines, 300 cherry trees, 250 pear trees, 175 peach trees and 25 prune trees have been offered to date to the management of the National Apple show as additional prizes in various contests at the third exposition in Spokane, November 14 to 19. The donors are nursery companies in Washington, Oregon, Montana, California, Missouri, Iowa and Nebraska.

Accompanying the offer are indorsements of the scope and purposes of the exhibition, which have become an annual event, one of them saying that the last two shows have accomplished more to encourage fruit growing in the northwest and throughout the country than any other agency. Another writes that the apple industry has received nation-wide publicity as the result of these shows, also that the standard of fruit has been raised by keen competition.

Extracts from some of the letters received by Ren, H. Rice, secretary and manager of the show, follow:

Stark Brothers Nurseries and Orchards company of Louisiana, Mo., in giving 4000 apple trees, say:

Is encouraging Growing.

"We want to be again represented at your big show, which has done so much in the last two years to encourage fruit growing, not only in the Pacific northwest, but throughout the country. Every man interested in fruit growing should do something to boost the National Apple show, and it is our hope the organization will maintain the high standard set the last two years and that King Apple will come into his own in every region as well as in your great fruit garden."

The Sunnyside Nursery company of Sunnyside, Wash., writes:

"We feel very friendly toward the National Apple show and we believe it is a great advertising medium for the entire country and every line of business, including our own, is stimulated by exhibits of this kind. We were well pleased with our treatment at your show last season. In offering 700 trees this year we expect you to use your own pleasure in naming the varieties on which they are to be given."

Prize for Jonathans.

The Washington Nursery company of Toppenish, Wash., says:

"We take pleasure in offering a prize of 500 Jonathan trees and suggest that you apply the prize for the best 10 boxes of Jonathan apples. If you have any better suggestions let us know and we will be glad to approve anything that sounds good to us. We are highly in sympathy with the plans and purposes of the National Apple show

and believe it has done, directly and indirectly, a great deal of good, not alone as nurserymen, but as citizens of the state of Washington. We wish you every success in the 1910 show."

Yakima Valley Nursery company, Toppenish, Wash., says:

"This show is certainly of great benefit to the entire northwest, in that the publicity given the apple industry is national and also that the keen competition tends to raise the standard of apples required. We take great pleasure in offering as a special prize for the third National Apple show 500 Yellow Newton apple trees, straight, one-year grafts, for the best 10-box displays of Yellow Newton apples. We thank you for the privilege of making this donation and we wish you the greatest success possible in your worthy enterprise."

Lafayette Nursery Co., Lafayette, Ore.: Ore.:

"Certainly the National Apple show has done wonders toward the development of the apple industry in the northwest, which has an important bearing on other enterprises. We sincerely hope the third National show will be a great success, which we have every reason to believe that it will. We gladly give 200 cherry trees and 150 apple trees, awarded as prizes on the Sierra Beauty apple."

Is Showing the Nation.

C. F. Dallman, superintendent of the Missoula Nursery company, Missoula, Mont., writes:

"I fully realize the value of your work in showing the nation what we can produce in the northwest, and shall always be in favor of doing what I can for the success of the show. I am more than glad to repeat the prize of last year, consisting of 300 first-class McIntosh apple trees for the best box of McIntosh apples, regardless of where they are grown."

F. W. Meneray, Crescent Nursery company, Council Bluffs, Iowa:

"We thank you for the opportunity to give as a special prize for the third National Apple show 500 one-year apple trees of the best standard varieties in an assortment. If this is acceptable, will be pleased to have you list it."

Northwest Nursery company, North Yakima:

"We wish to assure you of our approval of the prize feature of the National Apple show, as we believe the exhibit at Spokane is doing more to stimulate the fruit growing industry than any other one institution. We offer 400 trees of any variety in our nursery for the best district exhibit."

Offers Rome Beauty Trees.

Milton Nursery company, Milton Ore.: "We fully realize the great benefit this

National Apple show has been to nurserymen in the way of encouraging the planting of large commercial orchards, as well as advertisement of the advantages of the northwest. We gladly offer you 500 one-year-old, first-class Rome Beauty apple trees as a premium and we wish you every success in making the third National Apple show the best ever held."

Vineland Nurseries, Clarkston, Wash.:

"We thank you very much for the opportunity extended to us to make another special prize offer at the National Apple show. We will repeat our offer of last year of 500 Rome Beauty apple trees."

Fresno Nursery company, Fresno, Cal.:

"We repeat our offer to give a prize of 100 fruit trees or 500 grapevines on any exhibit designated by the trustees. We are willing at all times to help along the good cause."

Eden Valley Nursery, Medford, Ore., offers \$20 worth of nursery stock for the best box of Jonathan apples grown in Oregon.

Offers Burbank Rhubarb.

J. B. Wagner, nurseryman at Pasadena, Cal., again gives as a prize \$50 worth of Burbank crimson winter rhubarb, and the trustees are considering awarding this prize in a contest among the housewives on apple pies.

German Nurseries and Seed House, Beatrice, Neb.:

"We would like to donate a special prize for your apple show and will give 200 Campbell's Early Grape, two-year, No. 1 plants. You may offer the prize in whatever class you desire. We hope you will make the third National Apple show a complete success."

Oregon Nursery company, Orenco, Ore.

"It affords us pleasure to be permitted to donate our share toward the prize list of the third National Apple show. If sanctioned by your committee, we would like to give 300 apple trees to the winner of the most first prizes on box exhibits—100 Vanderpool Red apple trees to the winner in this variety. 50 Vanderpool Red apple trees as a second prize and 100 trees (winner's choice) to parties winning a prize on any trees brought from our nursery."

Richland Nursery company, Richland, Wash.

Milwaukee Nurseries, Milwaukee, Ore.,

"We are willing to donate 500 No. 1, one-year apple trees, to be used as premiums at the National Apple show. You may place them in any class desired."

donates 50 cherry trees, 50 pear trees, 75 peach trees and 25 prune trees, and regrets that they have no apple trees in stock, but promises more for next year.

Offers Grape Vines.

Shenandoah Nurseries, Shenandoah, Iowa, offers 1000 Concord, two-year grape vines; 5000 No. 1 apple seedlings and 5000 No. 2 apple seedlings.

Mount Arbor Nurseries, Shenandoah, Iowa, gives 100 B. de Anjou pear trees, 5000 apple seedlings and 100 Bing cherry trees.

New Haven Nurseries, New Haven, Mo., offers 400 apple trees and 100 peach trees to the winner of the 5-box Jonathan contest.

Carlton Nursery Company, Carlton, Ore., donates 50 Royal Ann cherry trees as a premium on the best box of Yellow Newtown apples.

Fruit So Good it Causes Trouble

Wenatchee, Wash., Will Not Play in Spokane's Apple Yard Because Winesap, "King of all Apples", Was Rated Lower Than Cox Orange Pippins, Yellow Belleflower and Tompkin's King

WENATCHEE says she will not play in Spokane's apple yard, remarks the Spokane, Wash., Chronicle.

Because of an alleged adverse rating on the Winesap, the big red apple—pride of the valley—the Wenatchee district threatens to boycott the Spokane National Apple show next fall. Drastic resolutions urging growers to decline to put in a competitive exhibit from the Wenatchee valley at the Apple show this fall were passed at a recent meeting of the trustees of the Wenatchee Commercial club.

Not only the boycott to embrace the National Apple show, but it is proposed to extend it to the Spokane Interstate fair and the National Dry Farming congress which is to be held in conjunction with the fair this fall.

This gale of trouble all arises from the recent decision of the trustees of the National Apple show not to raise the grading of the Winesap apple as requested by the Wenatchee Commercial club. Promptly upon receipt of the decision of the Spokane trustees, the board of directors of the commercial club went into executive session and passed the following resolution:

"Resolved, That the trustees of the Wenatchee Commercial club, realizing that the Winesap is the king of all apples, and that many inferior grades of apples have given a higher rating at the Spokane National Apple show, and that under this unfair, unjust and discriminating rating, which places the Cox Orange Pippin, the Yellow Belleflower and Tompkins' King, and other inferior varieties above and equal to the Winesap, we recommend to the exhibit committee of this club that they refuse and discourage any competitive exhibit from the Wenatchee valley."

"There is no more difficult problem than a proper scoring of apples for quality," said Ren H. Rice, secretary of the National Apple show. "This is due largely to the fact that in the Pacific northwest many varieties are grown to a perfection that is not reached anywhere else, and which command a price in the market far above the quality ratings formerly placed upon these apples."

Canadian Government Aids

Experiments in fruit growing in Prince Edward Island, under the auspices of the government, have convinced the farmers that apples, pears, plums and cherries can be raised there. Consul Frank Deedmeyer, of Charlottetown, says that special success has been attained with such apples as Ben Davis, Spy, King, Wealthy, Ontario and Pewaukee.

Commercial Orchard Profits

Commercial orchard is a term used to distinguish orchards planted and cultivated as you would cultivate corn or wheat or oats or any other crop for business, from orchards planted principally for the farmers' use, the sale of the fruit being an incident rather than a primary factor in the owner's business, said Charles Burdett Hart recently to a reporter for the Wheeling, W. Va., Register. A commercial orchard is distinctly a business undertaking, and the more you apply to it the best business principles, the greater your success will be. I know small orchards that are very profitable, and they are in every sense of the word commercial orchards. Last year I was in a twelve-acre apple orchard in Berkely county, while they were picking \$6,500—yes, sixty-five hundred dollars from the trees. How old? Thirteen years.

"I was in another Berkely county apple orchard last fall while they were picking an average of fifteen and a half barrels from trees eighteen years old. At three dollars a barrel it isn't hard to figure that there was an average of \$46.50 to the tree. Young man, unless you are more covetous than newspaper men were when I was in the business, a few thousand trees doing that kind of work would satisfy you until you could do better."

Nurserymen Plan for Demand

More than 8,000 apple trees have been planted in the Methow Valley, Washington, this year. These orchards cover an area of 800 acres and the trees planted are of the leading winter apples. As an indication of the faith the people of the Methow Valley have in the future of their section as a fruit country, F. H. Furey, of Twisp, also mentions the fact that a big nursery company has just planted 300,000 young trees, mostly apples, in order to be prepared for heavy orders. Mr. Furey says that about 1,000 acres of land is now in preparation for planting before winter begins.

Gulf Coast Nurserymen

The gulf coast nurserymen met at Corpus Christi, Tex., July 11, to effect permanent organization and to select officers. A committee, consisting of R. H. Bushway of Alcoa, W. A. Stockwell of Alvin and W. A. Griffin of McAllen, made temporary report on the by-laws and the constitution. The following officers were elected for the ensuing year viz: R. H. Bushway, Alcoa, president; W. C. Griffin, McAllen, vice president; R. W. Holbert, Arcadia, secretary; W. A. Stockwell, Alvin, treasurer. Alvin was chosen as the next meeting place.

More Cherries in Demand

A large fruit and produce concern of Chicago makes this announcement:

"We desire to call the attention of the Northwestern shippers particularly to the car of Idaho cherries. This was as fine quality and pack as was received on this market this season from any point. Lamberts sold from \$1.70 to \$1.75, Bings mostly \$1.50. The fruit was large, well packed and in excellent condition. The demand for cherries at this season of the year is almost unlimited, and with proper handling they are as certain of coming through in good condition as apples. This car was packed in about nine pound boxes, averaging \$1.60 per box delivered at Chicago, or almost twenty cents per pound.

We believe that growers make a serious mistake by not going into cherry growing more extensively. We are confident there is no fruit shipped from the Northwest that would show such satisfactory results with proper handling."

United Fruit Company Sued

Frederick M. Steele has filed a bill in equity in the United States Circuit against the United Fruit Company to recover \$3,500,000 damages. He declares that the defendant company has obtained a monopoly in the importation and sale of bananas in restraint of trade and commerce and is virtually conducting what is known as the Banana Trust.

The suit was directed against the Bluefields Steamship Company, a Louisiana corporation, of which the United Company is alleged to have obtained control for the purpose of stifling competition in the banana industry.

Steele, the complainant, is a resident of Chicago and a heavy stockholder in the Bluefields corporation.

Root Knot Pamphlet For All

The National Association of Nurserymen has issued a pamphlet containing gist of a discussion upon Root Knot or Crown Gall. Each member of the Association is entitled to one or more of these pamphlets. The Committee would suggest that these pamphlets be sent to each inspector in the various states. They can be had for the asking. Address E. A. Smith, Lake City, Minn.

Orlando Harrison, Berlin, Mo., entertained the Maryland State Horticultural Society at the J. G. Harrison & Sons Nurseries on July 28th.

PLUMFIELD NURSERIES

G. L. WELCH & CO., Proprietors

FREMONT, NEBR.

OFFER A LARGE STOCK OF

Forest Trees and Seedlings

ALSO A GENERAL LINE OF

NURSERY STOCK

Write for Special Quotations on

ELM SEEDLINGS

Grape Vines

We offer for fall and spring delivery the Largest and Most complete stock of

GRAPE VINES

in strong grades for nurserymen's and dealers' trade

We also have an extra fine block of

PRESIDENT WILDER CURRANTS

which have made a strong growth

SEND LIST OF YOUR WANTS FOR PRICES

T. S. HUBBARD CO.

Established 1866

FREDONIA, N. Y.

Cherry Trees in Tennessee in Fine Form

Nurseryman visiting Winchester Speaks of Them as the 'Old Time Cherry'---Peach Trees Extremely Scarce---Demand Heavy

By Aubrey Frink, Tennessee Wholesale Nurseries, Winchester, Tenn.

RECENTLY we have noticed comment to the effect that some of the large growers of cherry (nursery trees) are having trouble with sour cherries shedding their foliage early in the season and stopping growth. Lest buyers of cherry trees should get the impression that this is generally true, we desire to say through your paper that cherry trees in our section have done remarkable well this year and are still holding their foliage and making nice growth.

Our trees are doing so well that other nurserymen visiting this section speak of them as looking like the "old time cherry," or in other words, like cherry trees grown some years ago when cherry trees were as easily grown as other stock. Our stands are good this year, and as stated above, the trees are exceptionally fine. The demand for cherries has also been far better than we expected, and we now anticipate a good demand for them.

Peach trees this season are extremely scarce throughout the whole country. Dormant peach particularly has not given good stands, as a rule. Our acres have done unusually well, however, and are really finer than any we have seen elsewhere.

The demand for peach this season has been heavier than we have known it for many years and already we have sold a good portion of our peach. These are going at much better prices than heretofore, and prospects look bright as regards peach sales.

In fact all nursery stock with us has done exceptionally well this year. The seasons have been favorable, for the most part, and

the trade seems to be good. We anticipate a business several times as large as last season.

Commercial Fruit Industry

The commercial fruit industry has grown beyond the highest anticipation of nurserymen to such an extent, says a Wenatchee, Wash., exchange, that they, as well as the commercial fruit growers, become buyers from nurseries in other states, it being their privilege to make a profit on the nursery stock handled when in a position to do so, just as our apple shippers buy from the growers and sell east, realizing a margin thereon.

The gist of the situation is that during the past ten or fifteen years the fruit growing industry has transformed from a home or local product to a commercial industry of large proportions, and planters require a specific article in the way of nursery stock according to the location or situation under consideration.

Whiting Company Buys More Land.

George H. Whiting, of the Whiting Nursery Co., of Yankton, S. D., has just bought a most desirable piece of land joining his nursery on the west. This piece of land brings the nursery within the city limits and right up to the railroad tracks where the company will erect its large shipping and storage sheds and the office. This gives the company about 225 acres of the finest kind of land on which to raise the trees to supply its increasing business.

Bumper Texas Peach Crop

A striking illustration of the importance of the distributing function of the railroads comes from Texas. Claims aggregating nearly \$1,000,000 have been filed against the railroads of that state for failure to supply refrigerator cars to Texas peach growers. As a result of inability to secure cars, thousands of bushels of Elberta peaches were fed to the hogs. The peaches ripen too rapidly for shipment unless packed in refrigerators and the railroads were over 1,000 cars short.

The Woldert Grocery Company, Tyler, Tex., attempted to solve the car shortage by placing peaches in cold storage. Some eight or ten cars of peaches were shipped to Dallas in ordinary freight box cars, where they were stored in a cold storage warehouse.

The assumption of the management of the Sherman Nursery Co., east of here, by Harry G. Patton, son of C. G. Patton, the veteran nurseryman of North Iowa, virtually means a merging of the two firms, Patton & Sons and the Sherman Co., says the Waterloo (Ia.) Courier. The total acreage in the merged nursery is 1400, making it one of the largest in the country.

Kimberly, Idaho.—The business and nursery of the Tyler Bros. Nursery Co. has been sold to a company composed of John Hardin, John Henning, Wm. Durkee and C. E. Wright, who are re-organizing the business as a stock company, to be known as the Kimberly Nursery and Orchard Co.

LOUIS LEROY'S NURSERIES Co., ANGERS, FRANCE

Telegraphic Address: GRANJARDIN-ANGERS - Telephone: 1-30

L. Sevassateur & L. Courant, Directors

Established 1795.

Fruit Tree Seedlings and Ornamentals

Exports exceed 25,000,000 Stocks Annually

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Young Fruit Tree Stocks, 1 to 2 yrs. old (in all sizes)

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Young Conifers, 1 to 4 yrs. old

Fruit Trees in all sizes and forms

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SPECIAL PLANTS FOR FLORISTS such as: Araucana Imbricata, Azaleas, Camellias, Hortensias, Phoenix, Lilacs, Rhododendrons, etc. CONIFERS, 1 to 5 ft. high (in pot or in basket)—MAGNOLIAS, 2 to 15 feet high (in pot or in basket)

SPECIALTY:

ROSES (Extensive Collection and Novelties.) STANDARDS AND HALF STANDARD DWARFS—Wild Stocks for grafting, such as: Canina, Maneth, Multiflora, Polyantha, etc.

Also Bulbs and Flower Roots, Herbaceous Plants, Perennials, Aquatic Plants. New Plants

Our Wholesale Catalogue (A. F. Edition) giving prices of above items, will be sent free on application.

Sole American Agent: H. FRANK DARROW, New York, 26 Barclay Street, or P. O. Box 1250

Believes Root Knot to be a Disease

By F. E. Dougan, Pawnee, Okla.

IN your report of the American Association of Nurserymen, I notice a general feeling expressed against the theory of crown gall and hairy root being a disease.

I have not had as much experience as most nurserymen, but have been growing a few thousand trees annually for the past fifteen years, from scions and buds taken under my personal direction and after careful observation there is no doubt in my mind about root gall or hairy root being a disease.

I have experimented a little in different ways and while I have not established absolute proofs, there are a few things worth considering.

I never grew and never saw a block of apple that was entirely free from root knot or hairy root; on the other hand, I have grown blocks of peach, cherry and plum entirely free from root knot or any other disease.

NURSERY FOR SALE

For Sale a Nursery near Chattanooga, Tenn. doing a large Mail Order business. Stock on hand about 75,000 one year Peach Trees, 25,000 June Bud Peach Trees, 20,000 two year Hedge Plant, 20,000 two year Roses, 5,000 two year Perennial Plants, 15,000 one year Cherry Trees, 10,000 one year Apple Trees, 10,000 one year Pear Trees, 50,000 Dormant Bud Peach Trees, 20,000 Dormant Bud Apple Trees, 20,000 Dormant Bud Cherry Trees, 5,000 Dormant Bud Plum Trees.

For full particulars address

Nursery, NELSON CHESMAN & Co.,
Chattanooga, Tenn.

WANTED—Assistant Foreman in large nursery in Western New York. Must be experienced and able to handle men. State age, salary, experience and references.

C. B. C. Care This Office

PEACH SEED

CROP 1909

\$1.00 Per Bu., F.O.B., Painesville, O.

Samples on Application

W. B. COLE

LEARN WIRELESS AND R. K. TELEGRAPHY

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Still I have had others badly diseased, notably, one batch of 5000 Mariana plum grown from cuttings which had been heeled in by the side of a clump of roses badly affected with root knot; about 10 per cent. of the plums developed root knot.

I took the clean smooth roots from two-year apple trees out of the nursery row which had a bad knot at union of graft, and made new grafts, and when these were two years old, 95 per cent had root knot or hairy root, or both.

I once lined out 1000 one-year apple seedlings that were badly affected with scab and bitter rot; the seedlings were part budded and part cleft-grafted, and when dug at two-year old 95 per cent had root knot or hairy root or both.

I once made 100 Montmorency cherry grafts of scions from a tree that had canker blight and a large per cent. developed crown gall, while several hundred grafts made from the same batch of roots, but of scions of healthy trees, had healthy roots.

I never saw a knot on a crape Myrtle bush until after growing them in infested soil, and there I have found it hard to grow a bush free of root knot.

As indicated above, I do not believe root knot a one cycle disease, but believe when the facts are known, that it is often caused by other forms of fungi. For instance, after the same plan some animal diseases work; small pox for example.

Destructive Insect and Pest Act

EDITOR AMERICAN FRUITS:—

"The following additional regulation under the above Act was ordered by His Excellency in Council at Ottawa on July 27th, 1910, in virtue of the provisions of Section 2 of the Act.

"Section 13½.—All nursery stock originating in Japan or in any of the States of Vermont, New Hampshire, Maine, Massachusetts, Connecticut and Rhode Island, six of the United States of America, shall after fumigation be subject to inspection as provided by Section 6 of these regulations."

This regulation has been issued to prevent:

1. The introduction of the Brown-tail and Gypsy Moths from those states in which they have been found and are spreading.
2. The introduction of injurious insects from Japan.

In certain of the New England States nurseries are in regions seriously infested with the Brown-tail and Gypsy Moths and this inspection, in addition to the fumigation for the San Jose Scale, is necessary to insure the absence of nests of the Brown-tail Moth or egg masses of the Gypsy Moth, both of which have been found on New England nursery stock.

Already a number of injurious insects

have been found on Japanese stock and the introduction and establishment of some of these might prove to be as serious as the introduction of the San Jose Scale from the East. A number of insects occurring in Japan, including the Apple & Pear Fruit Borers (Laverna herellera Dup. and Nephopteryx rubizonella Rag.), have established themselves on the Pacific Coast and others have been found which might readily do so.

C. GORDON HEWITT,
Dominion Entomologist.

Ottawa, August 4th, 1910.

The Fruit Growers Association of British Columbia, reports a big crop of fruit of all kinds.

Hollanders who have made pronounced successes in fruit growing in Michigan are seeking to add to their holdings and are investigating prospects for orcharding in Tennessee, Alabama and Georgia.

Sphagnum Moss

Dry. In burlap bales; size of bale 16 x 16 inches by 4 feet long. Average weight about 30 pounds. Price (cash with order) Per bale, 75 cents; 10 bales, \$6.50.

CHARLES F. UECKE,
New London, Wis.

WANTED: First-class propagator of CITRUS FRUITS, FIGS, ROSES, SHADES, HARDY ORNAMENTALS. Only hustlers need apply.

ALGOA FRUIT AND NURSERY CO.,
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Nurserymen and Fruit Growers Specialties

E. G. MENDENHALL, Kinmundy, Ill.
Tree Balers at ten dollars and up

Box Clamps, Tree Diggers, Digging Spades, Smoothing Harrows, Special Double Action Harrows, Clark's Cutaway Discs for Small nursery Stock, Corn Fodder Baler, Etc.

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Cherry Trees

One and two years old. The best the market affords.

H. M. Simpson & Sons,
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We Issue to Members A CREDIT LIST
With Quarterly Supplements

The list now contains between 7,000 and 8,000 names. Membership fee \$10.00, including privilege of obtaining unlimited number of commercial ratings at cost. We also collect accounts at standard rates.

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SPECIALTIES FOR FALL 1910.

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PAINESVILLE, O.

Peach Seed

— Established 1859 —

We are now prepared to furnish prices with samples on our Virginia Natural Peach Seed and other grades. Let us know your wants.

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THE SHENANDOAH NURSERIES

Offer For Fall and Winter Trade a Complete Assortment of

Imported Fruit Tree Stocks

Mahalebs, Mazzard, Myrobolan and Pear, APPLE SEEDLINGS: American and French Grown, All Grades—straight or branched. APPLE GRAFTS: Piece and Whole Roots.

Fine Stock of GRAPES, CURRANTS and GOOSEBERRIES, strong, well rooted plants. FOREST TREE SEEDLINGS: carefully grown and graded.

LARGE GENERAL STOCK

Send List for Prices

D. S. LAKE, Proprietor
SHENANDOAH, IOWA

Southern Nurserymen in Session

Twelfth Annual Meeting of Association in Knoxville---Addresses by President Berckmans and Secretary Smith---W. A. Easterly Elected President--- Greensboro, N. C., Next Year.

PRESIDENT Robert C. Berckmans' Augusta, Ga., called to order the twelfth annual meeting of the Southern Nurserymen's Association, at Morrill hall, University of Tennessee, Knoxville, on August 24th. In the absence of President Ayers, of the University, Secretary-Treasurer A. I. Smith, of the association welcomed the members. He said:

"I am glad to welcome you and to note that those we see here are the leading men of the nursery industry of the south. We have not planned anything unusual in the entertainment line, for we have met here for business, and do not wish to do anything that will distract your attention from the helpful convention which we hope to conduct. You will not be called upon to take part in anything that will keep you from making the most of your trip to Knoxville,

but you have a cordial invitation to visit all of the nurseries and some of the larger farms in the vicinity. To those places which you would enjoy visiting, you will be given transportation. We expect to go to the Peters nursery tomorrow afternoon, and conveyance will be given you to that place."

Response to Welcome.

Charles T. Smith, of Concord, Ga., made the response to the welcome. In behalf of the visitors, he said that it was not hard to decide that Knoxville was a good place to come to, referring to the handsome country homes, the fine farms that were to be seen, the good nurseries that are in this territory, and of the fact that, historically, it is interesting; older than Atlanta, older than Chattanooga, and near the cradle of the original declaration of independence.

"We come," said Mr. Smith, "from all parts of the southern states. We represent an interest vital to us, and to the world. It is the oldest of crafts. The craft in which we are interested has enabled 20,000 carloads of peaches to be shipped out of the south this year. The money value of this crop amounts into the millions. Our president's father was the first shipper of peaches in Georgia.

President's Address.

President Berckmans addressing the session, informally, said:

"As president, I shall make no address. We represent a profession, I feel that it should be called a profession instead of a business. These few of us who have been in it for forty years or more have seen many innovations. Methods of propagation, labor and other matters have changed. Labor is one of the hardest propositions of the day. By combined labor, the smaller associations can be of untold benefit to the national association. This is true not only from the point of legislation, but from the point of transportation. Twenty-three million peach trees are planted in commercial orchards in Georgia today. You nurserymen are the creators of this wealth. You have enabled the land owners of Georgia to make a profit of \$250 to \$600 per year on land that formerly sold for \$3 to \$5 per acre. You are bringing capital into every section of the country. Your skill is enabling the grower to produce stuff that can be sent out to all parts of the country. The commercial fruit growers couldn't pay for axle grease with what he sold to his home consumers."

President Berckmans said that his grandfather was a Belgian, who, more than a hundred years ago, came to America. He was so fond of his trees that he could not leave them behind, and so carried them to New Jersey, and thence to North Georgia. These trees are still bearing, and the remarkable part is that for difference of climatic, and soil conditions, they might well be said to have borne fruit on three continents.

Secretary Smith's report showed it in good financial standing, all bills paid, and something more than \$450 in the treasury.

The association has about sixty members. they are scattered through Virginia, North Carolina, Georgia, Florida, Alabama, Tennessee, Louisiana, Mississippi, Arkansas and Texas.

President Berckmans appointed these committees:

On exhibits—A. J. Byrns, Sylvia, Tenn.; J. W. Killian, Newton, and J. G. Dunbar, of Tucker Springs, Tenn.; resolutions, Charles T. Smith, Concord, Ga.; A. G. Fletcher, Cleveland, Tenn.; D. W. Hunter, Chattanooga.

Officers and next place of meeting, W. F. Heikes, Huntsville, Ala.; John C. Miller, Rome, Ga.; Aubrey Frink, Winchester, Tenn.

Officers Elected

The following officers were elected: President, W. A. Easterly, Cleveland, Tenn.; Vice-President, Aubrey Frink, Winchester, Tenn.; Secretary-Treasurer, A. I. Smith, of Knoxville, re-elected.

Greensboro, N. C., was chosen for the 1911 convention, the date fixed being the fourth Wednesday in August.

The following were among those who attended the meeting:

W. T. Hood, of Richmond, Va.; Charles T. Smith, Concord, Ga.; J. Y. Killiam, Newton, N. C.; J. H. H. Boyd, McMinnville, Tenn.; H. N. Camp, Southern Nursery Co., Winchester, Tenn.; A. I. Smith, Knoxville; O. H. Tindell, city; J. H. Griffiths, McMinnville; John C. Miller, Rome, Ga.; J. G. Dunbar, Tucker Springs, Tenn.; Gilbert Marshall, Nashville; R. C. Chase, Huntsville, Ala.; O. J. Howard, Greensboro, N. C.; J. H. Wilson, Knoxville; D. W. Hunter, Chattanooga; A. J. Bryan, Sylvia, Tenn.; Marvin T. Miller, Jr., Winchester; A. J. Fletcher, Cleveland; Bruce Howell, Knoxville; W. A. Easterly, Cleveland; W. F. Heikes, Huntsville; Aubrey Frink, Winchester; John C. Chase, Derry, N. H.; R. C. Berckmans, Augusta; A. A. Newsom, Knoxville; C. H.

The Monroe Nursery I. E. Ilgenfritz' Sons Co. MONROE, MICH.



Over
Sixty Years
in the
Business

Offer a
General
Line of

CHOICE NURSERY STOCK

Plum, Cherry, Etc.
Peach, Std. Pear,

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MONROE, MICH.

Manufacturers of the Celebrated Ilgenfritz
Graft and Stock Planter
and Firmer.

P. SEBIRE & SON

Nurserymen, Ussy, Calvados, France

Offer a general assortment of Fruit Tree Stocks, such as Apple, Pear, Myrobalan, Plum, Mahaleb and Mazzard Cherry, Angers Quince, Small Evergreens, Forest Trees, Ornamental Shrubs, Roses, Etc. The largest stock in the country. Prices very low. Grading and packing the very best. Send for quotations before placing your orders. Catalogue free.

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36th YEAR

PAN HANDLE NURSERIES

FALL OF 1910

We offer a Complete Line of Nursery
Stock Consisting of

Apple, Pear, Plum, Cherry, Peach,
Grape, Currant, Gooseberry,
Small Fruits, Maple Norway,
Maple Schwedlerii, Maple Silver,
Poplar Carolina, Poplar Volga,
Elm American, Sycamore Oriental,
Sycamore American, Mountain Ash,
Box Alder, Althea, Hydrangea,
Barberries, Syringas, Weigelia,
Clematis, Honey Suckle, Wistaria,
Ampelopsis, Roses, Evergreens,
California Privet, Buxus, Weeping Trees,
Catalpa Speciosa Seedlings,
Black Locust Seedlings, Fruit Tree Stocks,
Catalpa Speciosa Seed

Our stock is well grown and graded and
prices are such that it will pay you
to investigate. Come and
see us or write.

J. K. HENBY & SON

Greenfield, Ind.

BUDS

Apple, Cherry Pear, Peach, Plum, etc.
Ready to ship July 1st. Our growing nursery stock is very promising. Prices lower now than later. Big lot of Scions. Write for prices.

JOHN A. CANNEDY, N. & O. Co.
Carrollton, Illinois

LITERATURE

Cadurcis Plantagenet Ream has painted in oil the Stark Delicious apple with striking faithfulness to the original. That the artist chose Delicious apples as his subject on which to devote a supreme effort in reproducing on canvass, the wonders of nature's color and formation, is a tribute to this wonderful apple which has so captivated all lovers of fruit.

Mr. Ream has won a reputation surpass-

ing that of any other artist as a painter of fruit, rightly giving him the distinctive title of "King of Fruit Painters." Mr. Ream was born at Lancaster, Ohio. He studied in Paris, London, Munich and New York. Exhibitor at the Royal Academy, London.

The original oil painting of "Stark Delicious" is the property of W. P. Stark of Stark Bros. Nurseries & Orchard Company, Louisiana, Missouri. It was Mr. Stark who discovered the Delicious apple in the hands of its veteran originator, Jesse Hiatt of Madison County, Iowa. Mr. Stark gave the variety its name and made it possible for orchardists everywhere to purchase and plant Delicious trees at no greater cost than is usually demanded for inferiority.

Reproductions of this painting are sent out by Stark Bros. Nurseries & Orchards Co., and they constitute a most effective and lasting business souvenir.

So complete are the general catalogues issued by W. & T. Smith Co., Geneva, N. Y., that they are really directories of fruit and ornamental nursery stock. The handsome illustrations show effective results in the use of such stock.

C. C. Abel & Co., 116 Broad street, New York city, issue a wholesale list that should be on the desk of all who have demand for imported nursery stock of any kind.

Among books recently issued by the Macmillan Co., New York city, is "The Physiology of Plant Production," by Prof. B. M. Duggar, Cornell University.

In addition to a graphic description of the large variety of fruit and ornamental nursery stock grown by I. E. Ilgenfritz, Sons Co., Monroe, Mich., the catalogue of this company introduces its readers to the members of the company, through half-tone portrait cuts, and gives a brief history of the business. A full-page illustration of the Ilgenfritz Homestead ornaments the back cover. There is a full-page birdseye view of the nurseries and a half-tone cut of the vine-clad offices. The steam tree digger used in the nurseries is also shown. The catalogue comprises 124 pages of description of high grade nursery stock.

Brilliant gas light for farm houses and stables is the subject of effective literature issued by the Ideal Epworth Acetylene Co., Johnstown, Pa. It is stated that 175,000 farms and country homes in the United States are lighted by acetylene gas made on the premises. Many other interesting practical items of information are given in the literature of this company, including full description of the operation of one of its lighting systems.

"How to Plant and Cultivate an Orchard," is the subject of a brochure issued by the J. Van Lindley Nursery Company, Pomona, N. C., the oldest and largest North Carolina nursery, and one of the largest in the South. This company ships over 19,000 orders annually. It has 1000 acres of land in a solid block. It was established in 1866. The general catalogue of this company has something to say on the subject of cheap nursery stock and points a lesson from the fact that one cannot get something for nothing usually.

A catalogue of the old style is that issued by W. N. Scarff, New Carlisle, O. It has the merit of carrying a large amount of reading and illustrations in condensed form, thus reducing the cost of production in large quantities and enabling the proprietor to

cover a very large territory without excessive cost of postage. The catalogue is supplemented with circular announcements of new matter.

H. M. Simpson & Sons, Vincennes, Ind., have issued a special circular announcement regarding their one and two-year-old cherry trees.

For more than forty years W. T. Hood, Richmond, Va., has been in the nursery business. Recently he has admitted to partnership his sons, W. Taylor Hood and Kent Williams Hood, the former having been associated with his father for some time. A full-page frontispiece of the office of the Old Dominion Nurseries is given.

R. H. Bushway, general manager of the Algoa Fruit and Nursery Co., Algoa, Texas, is sending out some attractive and effective trade literature regarding orange and fig stock.

W. T. HOOD & CO. "OLD DOMINION NURSERIES" RICHMOND, VA.

Offer for Fall 1910 and Spring 1911

Peach Trees, fine assortment
Pear Trees, 2 yr., unexcelled
Cherry, 2 yr., none better
California Privet, 1 yr., fine plants
Natural Peach Pits, crops 1909 and 1910
100,000 Peach Seedlings from beds for lining
General Line of Nursery Stock
Send Us Your Want List

Kansas City Nurseries
GEO. H. JOHNSTON, Prop.
Successor to Blair & Kaufman
Reliance Building, Kansas City, Mo.
OFFER for FALL 1910—large stock of Carolina Poplars, Catalpa Seedlings, Cal. Privet, Concord Grapes, Currants, Asparagus, and a full line of Ornamental Shrubs, Paeonies, etc.

WANTED: A competent, practical propagator with ability to handle men. Experienced man with good testimonials. Chance to buy stock in company if proven capable and worthy. Address
THE WHITING NURSERY CO., Yankton, S. D.

Peonies, Iris

For September planting. Excellent assortment. Trade list ready.

WILD BROS. NURSERY CO.

Mention this Ad.

Sarcosie, Mo.

APPLE SEEDLINGS

From either Vermont or French Crab seed. NORTHERN GROWN, on new clean land. All grades. Write for prices.

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THE SIMPLEX TREE BALER

Bales in 19 States Price \$16.00

I offer a full line of NURSERY STOCK, FRUIT and SHADE TREES, ORNAMENTAL TREES, SHRUBS, ROSES, PEONIES, GLADIOLAS, Etc. Send for catalogue

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Fruit, Shade and Ornamental
Trees, Flowering Shrubs,
Apple and Pear Seedlings,
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By the thousand or carload. Also have in quantity California Privet, all sizes. Shade trees, Silver, Sugar and Norway Maples, Sycamore and Carolina Poplars, Grape Vines, Cannas, Peonies, etc.

Prices right. Prompt and satisfactory services. We didn't get to the Convention we are sorry, but will be pleased to quote you by mail, and save you money anyhow.

VALDESIAN NURSERIES,

Bostic Dept.

Bostic.

North Carolina

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SUNNYSIDE, WASH.—"Copy of Pocket Directory at hand. We feel that this Directory will be a great help to all Nurserymen as well as ourselves. Enclosed you will find \$3.00 for which please mail us two more copies.

A. F. Bernard, Painesville, O.—"I congratulate you on the Nurserymen's Pocket Directory. It is a live one, sure."

AMERICAN FRUITS

An international Nursery and Fruit Trade Journal, circulating throughout the United States and Canada and in foreign countries.

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Correspondence from all points and articles of all kinds of interest to the Nursery Trade and allied topics are solicited.

ROCHESTER, N. Y., SEPT., 1910

AMERICAN ASSOCIATION OF NURSERYMEN
Officers—President, Wm. P. Stark, Louisiana, Mo.; Vice-president, E. S. Welch Shenandoah, Ia.; Secretary, John Hall, Rochester, N. Y.; Treasurer, C. L. Yates, Rochester, N. Y.
Executive Committee—J. H. Dayton, Painesville, O.; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.; Wm. P. Stark, Ex-Officio, Louisiana, Mo.; John Hall, Ex-Officio, Sec'y, Rochester, N. Y.
Transportation—D. S. Lake, Shenandoah, Ia.; Chas. M. Sizemore, Louisiana, Mo.
Tariff—Irvine House, Rochester, N. Y.
Legislation East of Mississippi River—Wm. Pitkin, Rochester, N. Y.
Legislation West of Mississippi River—Peter Youngers, Geneva, Nebr.
Co-operation with Entomologists—J. W. Hill, Des Moines, Ia.
Programme—J. H. Dayton, Painesville, O.
Publicity—Orlando Harrison, Berlin, Md.
Exhibits—J. W. Schuette, 600 Gravois Ave., St. Louis, Mo.
Arrangements—John Hall, Rochester, N. Y.; J. H. Dayton, Painesville, O.; F. A. Weber, Nursery, Mo.
Editing Report—John Hall, Rochester, N. Y.; Prof. John Craig, Ithaca, N. Y.
Entertainment—F. A. Weber, Nursery, Mo.
Forestry—A. J. Brown, Geneva, Nebr.
Co-operation with Fruit Growers and Associations—J. M. Irvine, St. Joseph, Mo.
Trade Opportunities—Jefferson Thomas, Harrisburg, Pa.
Nurserymen's Share in Civic Improvement—J. Horace McFarland Harrisburg, Pa.
Membership—John Watson, Newark, N. Y.

STATE AND DISTRICT ASSOCIATIONS
American Nurserymen's Protective Association—President, J. W. Hill, Des Moines, Ia.; secretary, Thomas B. Meehan, Dresher, Pa. Meets annually in June.
American Retail Nurserymen's Protective Association—President, Charles J. Brown, Rochester, N. Y.; secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.
Association of Oklahoma Nurserymen—President, J. A. Lopeman, Enid, Okla. Terr.; secretary, C. E. Garee, Noble, Okla. Terr.
Eastern Association of Nurserymen—President, W. C. Barry, Rochester, N. Y.; secretary-treasurer, William Pitkin, Rochester, N. Y. Meets annually in January.
National Association of Retail Nurserymen—President, Wm. Pitkin, Rochester, N. Y.; secretary, F. E. Grover, Rochester, N. Y.
Ohio Nurserymen's Association—President, J. W. McNary, Dayton, O.; secretary, W. B. Cole, Painesville, O.
Pacific Coast Association of Nurserymen—President, George C. Roeding, Fresno, Cal.; secretary-treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.
Pennsylvania Nurserymen's Association—President, Thos. B. Meehan, Dreshertown, Pa.; secretary, Earl Peters, Mt. Holly Springs, Pa.
Southern Nurserymen's Association—President, W. A. Easterly, Cleveland, Tenn.; secretary-treasurer, A. L. Smith, Knoxville, Tenn.
Tennessee Nurserymen's Association—President, J. C. Hale, Winchester, Tenn.; secretary, G. M. Bentley, Knoxville, Tenn.
Texas Nurserymen's Association—President, J. R. Mayhew, Waxahachie, Texas; secretary-treasurer, John S. Kerr, Sherman, Texas.
Western Association of Nurserymen—President, J. H. Skinner, Topeka, Kan.; secretary-treasurer, E. J. Holman, Leavenworth, Kan. Meets in July and December at Kansas City.

In the Nurseryman's Interest

We direct the attention of all nurserymen to the very practical suggestions by J. H. Dayton, chairman of the executive committee of the American Association of Nurserymen. These suggestions are appearing regularly in AMERICAN FRUITS.

In this connection we quote the following from an editorial recently published in the Rochester, N. Y. Union and Advertiser: "The farmer of today feels that he is necessarily running a risk when he purchases fruit trees, for there is always a chance that these trees will not be true to name and that several years will have been lost, with the labor attending the rearing of the trees, if they are frauds. Many reputable nurserymen have sold trees which have proven failures for the reason that few have been able to raise all their own stock. This being the condition, few of the nurseries will guarantee the trees. There is big money for the man who can command acres enough to raise all his own nursery stock and get his business down to a system by which he will know absolutely what he is selling. The experienced fruit grower will pay big money for fruit trees that are known to be right."

To Experiment on Root Knot

Chairman E. A. Smith, Lake City, Minn., of the Root Knot Committee of the American Association of Nurserymen, makes the following announcement:

"The following is a list to date of those who have signified their willingness to act as assistants on the Crown Gall or Root Knot Committee:

California—George C. Roeding, Fresno.
Georgia—L. A. Berckmans, Augusta.
Iowa—M. J. Wragg, Des Moines.
Indiana—C. M. Hobbs, Bridgeport.
Illinois—Guy A. Bryant, Princeton.
Kansas—R. H. Skinner, Topeka.
Missouri—R. J. Bagby, New Haven.
Montana—D. J. Tighe, Billings.
Nebraska—G. A. Marshall, Arlington.
Oklahoma—J. A. Lopeman, Enid.
Oregon—Oregon Nursery Co., Orenco.
Pennsylvania—Abner Hoopes, West Chester.

South Dakota—Geo. H. Whiting, Yankton.
Tennessee—H. W. Chattin, Winchester.
Texas—J. S. Kerr, Sherman.
Washington—Washington Nursery Co., Toppenish, Wash.

"If you know of any one in any other state whom you could recommend, and who would be actively interested in this work, we shall be very glad to have you write us that we may endeavor to secure their assistance. The question of Root Knot is one of great importance to every nurseryman. It is for the interest of the nurseryman to either demonstrate that the hard and hairy forms of Root or Crown Gall are not injurious to apple trees, and also to determine whether any other forms of Crown Gall are injurious to apples, peaches, or any other varieties of nursery stock. The only way to determine this definitely, is through practical experiments upon which a record should be kept in detail from the time the stock is planted until the close of the experiment which may cover several years.

"The writer will suggest that you plant not less than 25 trees having hairy Root Gall upon them, 25 with Hard Root Gall upon them, and if able to procure Soft Root Gall trees, try 25 of these. Then in the same planting set out 25 trees which do not have Root Gall upon them. Tag each tree. Use a label made of plain galvanized iron, write with sulphuric acid and a little copper so that the writing will show black. In your book record be sure to mention the varieties, size of the trees, whether badly infected with Root Gall, what kind, and if possible, have a photograph taken of some of the trees for comparison as time goes on. At a stated time each year, the month of September preferred, photographs can be taken of the trees showing their condition at the end of the growing season, and

whether in fruit. A written description of the trees should be made at that time. Later in the fall a few of the trees should be dug and record made of their condition, and photographs taken of the trees and fruit if deemed advisable.

"By conducting this experiment carefully and reporting upon it from year to year, the practical result will be valuable and indisputable evidence. The nurseryman should be the first to know if Crown Gall is as injurious as some have reported, and this knowledge will enable him to better fix the price of his product.

"In connection further, with this experiment, we recommend that different methods of grafting be adopted, such as by using the piece root, the whole root, roots grown from Vermont or Northern seed, French Crab seed, roots set out and grown a year and then topworked, budded, etc. A record made and presented to the Association will be of value as showing which method produced the least number of Crown Gall trees. Planting in different kinds of soil, using different methods of fertilization, cultivation and everything pertaining to the growth of the trees should appear in the records.

"You are to take up this work not as a pastime, but as a business, and unless the experiment can be conducted systematically and carefully it will be of little value. Please advise the writer whether you can and will take up the work along the lines suggested, keeping him in touch with the same.

"Further, it can be plainly seen that the record of the individual who is financially interested directly in the outcome of this experiment, will sometimes be questioned by authorities who may not be in sympathy with this independent and practical way of securing information. We, therefore, suggest that you write to the director of the Experimental Station in your state and ask him if he will not conduct a practical experiment along the lines suggested. If so, you might be able to furnish him the trees either at a low cost or free. We believe that the Association will be willing to pay for trees used for this purpose if necessary, but this cannot be determined until the matter is brought before the Association at St. Louis next year. The time to act, however, is now. Why need the work be delayed? If you are personally acquainted with the director of the Experimental Station in your state, talk this matter over with him. It will have better effect than through correspondence.

"To interest as many Experimental Stations as possible and have them keep a record will help us to get at the real truth of this matter and remove the prejudice which may unjustly exist. If the results of these experiments are such, that Root Gall is found not to be injurious or destructive, the sooner we all know it the better and vice versa.

"We shall be pleased to hear from you with any suggestions that you may have to offer at any time."

Forest Devastation

Frederick W. Kelsey, New York city, who has recently returned from trip to the Canadian Rockies, Alaska, Pacific Coast and the Yellow Stone Park, says that the ravages of the forest fires throughout the northwest are of alarming extent.

"From my personal observation," said Mr. Kelsey, "in more than 8000 miles of travel from Montreal to Vancouver, through Puget Sound, the Columbia River and other sources of our national timber supply, I am impressed with the imminent danger of a lumber famine before many years in this country, even should recurrences of the present forest fires be prevented."

Mr. Kelsey has been appointed by Governor Fort one of the delegates to represent New Jersey at the National Conservation Congress, St. Paul, Minn.

Testimonials by Brother Nurserymen

Herewith are reproductions of the loving cup presented to the Western Nurserymen's Association by the Eastern members of the American Association of Nurserymen, and the pewter pitcher presented to Frank A. Weber, chairman of the entertainment committee, in recognition of special courtesies extended on the occasion of the annual meeting of the American Association in Denver, the Committee which presented the testimonials being composed of J. Horace McFarland, Frank B. White, John C. Chase, L. A. Berckmans, Harlan P. Kelsey.



The engraving on the old pewter pitcher, which is 9 inches high, is as follows:

Presented to
Frank W. Weber, Chairman
Entertainment Committee
by the
Eastern Members
of the
American Association of Nurserymen
35th Annual Convention
Denver, Colo.
June 8-10, 1910.



The engraving on the solid silver loving cup, 9 inches high, is as follows:

Presented to the
Western Nurserymen's Association
by the
Eastern Members of the
American Association of Nurserymen
Attending its
35th Annual Convention
Denver, Colorado
June 8-10 1910
In grateful recognition of
courtesies shown and
entertainment provided.

The entertainment committee was composed of Frank A. Weber, chairman; Albert M. Ferguson, local chairman; Charles G. Ferguson, George B. Fravert, C. Reno Root, Frank H. Stannard, John A. Valentine, Peter Youngers and James W. Hill.

The Question Box

The following questions were propounded at the meeting of the Southern Nurserymen's Association last month. We shall be pleased to publish answers to any or all of them. What are your views?

What is the best plan of selling nursery stock in mail order business?

What is the value of judicious advertising?

What are the best tools for general nursery work?

Do our nurserymen have sufficient test orchards in connection with their nurseries?

What is the best stock for Japan plums?

Do retail nurserymen still find cause for complaint of wholesale price list being mailed planters?

Should a landscape architect receive the benefit of wholesale prices?

What are the best commercial fertilizers for peaches, plums, apples, and roses?

How may we best increase the demand for nursery stock?

What has been your experience in transplanting evergreens in the South during the month of August?

What is the best tie for buds?

Do not nurserymen grow too many varieties?

Are not many of our nursery products selling too cheap?

How can we best keep up prices of nursery stock?

Grape Growing in Texas

The State of Texas is constantly attracting attention by reason of development of its immense resources. Now it is grapes following a record crop of peaches.

There are several thousand specimens of plant life under test as to their adaptability to the Lower Rio Grande Valley. The vineyard of 279 varieties covers quite a large area. These vines are given scientific treatment so as to determine the varieties best suited to the soil and climatic conditions of this section. The varieties which have shown the greatest adaptability to the Valley conditions are from the South African stock. These varieties have attained a remarkable growth and are heavy producers, regardless of age, being only 3 years of age.

Of the varieties which have proven thoroughly adaptable to this section may be mentioned the Jansalla Bianco, Clairette a Gros Grain, Australis and Aromon. These three varieties have proven to be great success. The vines are well loaded with large clusters of delicious grapes that are not to be equalled in any section. Many of the bunches will weigh over two pounds, and are especially desirable for table purposes. There are several wine varieties that have proven adaptable.

Rules for Nurserymen

J. H. Dayton, of Dayton, Ohio, at the Denver convention, offered the following rules for guidance of nurserymen, which were adopted:

"That our lowest prices or trade lists should be mailed only to Nurserymen or Dealers with established headquarters, who are known to be actively engaged in the trade.

"That some effort should be made to have our price lists and quotations to orchardists and retail buyers nearer a uniform basis for same grades and varieties of stock.

"That as the practice of cutting prices as the season advances is one of the great demoralizers of both the wholesale and retail trade, established rates should be adhered to throughout the season.

"That stock shipped on orders of Landscape Architects and invoiced direct to their customers should be billed at same retail rates, as if the order came direct from the planter."

State Vice-Presidents A. A. N.

ALABAMA—Henry Chase, Huntsville.
CALIFORNIA—George C. Roeding, Fresno.
COLORADO—W. G. Sutherland, Boulder.
CONNECTICUT—C. R. Burr, Manchester.
FLORIDA—Robert Simpson, Monticello.
GEORGIA—L. A. Berckmans, Augusta.
IDAHO—O. F. Smith, Blackfoot.
ILLINOIS—William Saddler, Bloomington.
INDIANA—W. C. Reed, Vincennes.
IOWA—C. L. Watrous, Des Moines.
KANSAS—J. H. Skinner, Topeka.
KENTUCKY—L. E. Hillenmeyer, Lexington.
MARYLAND—Orlando Harrison, Berlin.
MASSACHUSETTS—H. P. Kelsey, Salem.
MICHIGAN—C. A. Ilgenfritz, Monroe.
MINNESOTA—E. A. Smith, Lake City.
MISSOURI—J. W. Schuette, St. Louis.
MISSISSIPPI—S. W. Growell, Roseacres.
MONTANA—W. E. McMurray, Hamilton.
NEBRASKA—G. L. Welch, Fremont.
NEW HAMPSHIRE—John C. Chase, Derry.
NEW JERSEY—C. A. Bennett, Robinsville.
NEW YORK—Charles J. Maloy, Rochester.
NORTH CAROLINA—J. Van Lindley, Pomona.
NORTH DAKOTA—John W. Maher, Hankinson.
OHIO—L. A. Gaines, Xenia.
OKLAHOMA—J. A. Lopeman, Enid.
OREGON—C. F. Lansing, Salem.
PENNSYLVANIA—Bernard Hoopes, West Chester.
SOUTH DAKOTA—G. H. Whiting, Yankton.
TENNESSEE—E. W. Chatten.
TEXAS—M. G. Black, Mt. Pleasant.
UTAH—P. A. Dix, Salt Lake City.
VIRGINIA—W. T. Hood, Richmond.
WASHINGTON—A. W. McDonald.
WISCONSIN—R. J. Coe, Ft. Atkinson.

Payette, Idaho—The Payette valley will send an exhibit of fruits to the Council Bluffs Apple show, also the Chicago exposition, this fall, which will probably excel any previous exhibit ever seen from this part of the state.

A Cordial Invitation

Is extended to Nurserymen and Fruit Growers by the management of AMERICAN FRUITS to make the offices of this publication their headquarters when they are in Rochester, N. Y., at any time. The offices, 123-125 Ellwanger & Barry Building, 39 State Street, are centrally located, in the heart of the business district and in direct connection by telephones, local and long distance, with all the Nursery offices. Trade magazines, directories, files and stenographic force are at your disposal while in the city.



MANLOVE
Automatic Gate
Saves time, adds
to value, safety,
beauty and pleasure
of home.

MANLOVE GATE CO., 272 E. Huron St.
CHICAGO, ILLS.

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Good
Light
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Be able to tell your blue dress from black. See while you are trying, without straining the eyes. No smoke, no globes to break or lamps to clean, or fall or explode; no danger of killing you while you sleep. Less work per month than one lamp. Costs less than kerosene per candle power and always ready at all times. We will send you one ready to put up. Write us today.

Ideal Epworth Acetylene Co.
Waterloo, Iowa. Johnstown, Pa.

Silver Cup Prizes for Fruit Growers

Offered by B. G. Pratt & Company to Members of Western New York Horticultural Society and New York Fruit Growers---Similar Offers Have Been Made to Eighteen Horticultural Societies

Handsome silver trophy cups of different designs are offered by B. G. Pratt Co., 50 Church street, New York City, as prizes for the best three boxes of apples exhibited by members of the Western New York Horticultural Society and of the New York State Fruit Growers.

The donors say:

"We believe that you can produce in the Eastern States as beautiful apples as are grown anywhere under the sun; can handle them just as carefully; can pack them just as tastefully; and get just as good a price as Hood River, Regue River, or any other river if you want to.

"We believe that you do want to and have already begun the good work. If not, start at once. It is worth while.

"This past season Mr. Edwin C. Tyson, of Flora Dale, Pa., sold \$960.00 worth of apples from 54 trees that five years ago he considered no good and started to pull out. Mr. George T. Powell, of Ghent, N. Y., got \$3.00

The Profits are Yours

"Every time you pass a fancy box of apples, look and see how it is done and improve on it, and if you only raise three bushels of apples, let them be the best in the State. The other fellow has no more brains than you have, but he may use them better.

"It is up to you. Use your brains and take this cup home with you.

"It is not our cup, but donated to your Horticultural Society for you. You don't have to use "Scalecide" or anything else we make, but you will have to spray and pray, and work while you do so; but the profits are yours—not ours.

"We do feel proud, however, of the record that "Scalecide" has made this past year. Apples from trees sprayed with "Scalecide" took all the first prizes at the Pennsylvania Horticultural Society Meeting; all the first prizes, both this year and last at the N. J. Horticultural Society Meeting; a long list of sweepstakes and first prizes at the New England Fruit show in Boston; also first prize at the Ohio State Fair.

"We have donated sixteen cups to as many different Horticultural Societies. It would be unreasonable to expect "Scalecide" users to take more than a small number of these for it is only one of the many good sprays sold, but they stand as good a chance as anyone; and we want you to try and we know you will not disappoint us.

Terms of Competition

"This handsome cup suitably engraved, is offered to the member of this Society who exhibits the best three bushel boxes of apples of any three varieties grown in the State. The cup is to remain in the possession of the yearly winner (although the property of the Society) until it shall be won by the same member at two annual fruit exhibits of the Society—not necessarily consecutively—after which it will become his or her exclusive property. The winner is to give a short description of cultural methods used, if possible at the meeting or published in the annual report of the meeting, for the benefit of the members of the Society. The judges of the general fruit exhibit are to select the winner, using such score cards as they may elect.

"Yours for better fruit."

The International Harvester Co., Chicago, has established an I. H. C. Service Bureau, whose aim is to render every possible assistance to farmers, the press, colleges, etc., to carry on a campaign of general educational value, and to help bring about larger crops and improved agricultural conditions.



Cup offered as prize to member of New York State Fruit Growers Association.



Cup offered as prize to member Western New York Horticultural Society.

per bushel box this past season for apples delivered at his railroad station as he picked them; not cold storage.

Go Thou and Do Likewise

"Are you afraid of glutting the market? There never have been and never will be too many No. 1 apples. There are always too many cider apples.

"Would you like to own this cup? Your chances are as good as any. Start right. Join your Horticultural Society. Can't learn anything by attending the meetings? Then go and help the other fellow who don't know as much as you do. Future generations will rise up and call you blessed.

Business Hints

Dealing with "Fertilizers and Soil Renovation," at the Knoxville meeting of nurserymen Aubrey Frink of Winchester, called special attention to the use of cow peas and soy beans in connection with liberal applications of commercial fertilizers. The central thought in this paper was for very high fertilization to get the best trees and reduce the number of low grade trees.

Mr. Easterly's paper on "Some Essentials Profitable in the Nursery Business" urged higher ideals in the conduct of that business. Among these were first-class land, first-class stocks, competent help the discarding of all second-class and worthless varieties of stock, obtaining of legitimate prices, and securing efficient salesmen, and discarding all risky business.

Prof. R. S. Mackintosh, for several years professor of horticulture and forestry at the Alabama Polytechnic Institute and State horticulturist, has accepted a position at Pennsylvania State College as head of the department of Peach culture. P. F. Williams, assistant professor of horticulture, will succeed Professor Mackintosh, both in the chair of horticulture and as State horticulturist.

The Central Missouri Horticultural Association will meet in Boonville, Mo., Sept. 27-29. Secretary C. C. Bell is preparing an attractive premium list for the Horticultural exhibit.

The Texas Nurserymen's Association will hold its tenth annual meeting in Waco, Texas, September 13-14. J. R. Mayhew is the president; John S. Kerr, secretary.

C. W. Hobbs & Sons, Bridgeport, Ind., have opened a branch office in Indianapolis, at 927 State Life Bldg., for the purpose of taking better care of their increasing landscape business.



Portion of cups offered as prizes to 18 Horticultural Societies, by B. G. Pratt Co., New York City.

Apple Growing Opportunities in the South

In his address at the Knoxville meeting of the Southern Nurserymen's Association, John C. Miller said:

"The south has never been recognized as much of a factor in the apple market or even exploited as a desirable field for the production of this fruit. Taken as a whole, the south could hardly be classed as a section especially adapted to apples. We can't expect to find ideal apple land in the rich grain lands or alluvial cotton lands. Still, we venture the assertion that at least 70 per cent. of the area of the south could produce apples for the home and local market, confined possibly largely to the summer and fall varieties and the winter sorts that are native, like Yates, Terry, etc. The introduction of varieties suitable for the extreme south of the apple should be a very important and attractive task for the nurserymen. We have been selling them entirely too many varieties not at all suited to their location, and they have become discouraged and about quit trying to grow apples.

"Possibly my subject was intended to refer to commercial apple growing, and this takes us to the high plains and mountain valleys where the soil, altitude, and climatic conditions are more favorable. This re-

stricts us largely to the Appalachian section on the east, and the Ozarks in the west with a belt on the north almost connecting the two. Here we have the soil, altitude and climate (bright sunshine of the days and cool nights) to produce apples in color and quality equal to any region in the world. We also have fairly good transportation facilities, and they will get better when the business will warrant it. We can say that this vast territory of the south offers special inducements to the apple growers, but do the facts make good? Take the three great apple producing sections north of us, the eastern extending from the shores of Lake Michigan across Michigan, southern Canada, New York, and New England, the middle west district and the great northwest. We have the advantage of all of them in the price of lands, cost of labor and transportation, except the eastern district has the advantage of her own lake and seaboard cities, but we care nothing for those markets. For the export trade, Virginia stands on about an equal footing. Our great markets to be fostered and cultivated are south of us, and with good fruit shipped into this territory, the consumption will grow with leaps and bounds. How they ever took to apples at all with the stuff they have to practice on is a wonder, shipped from the north and east of a grade that would not bring ocean charges if dumped on the auction floors of Europe. We can produce for them a vastly superior article and almost at their door, and if we care to grasp the opportunity, construct a Chinese wall between them and all competitors for their trade."

Beverly Nursery Company

W. T. MITCHELL & SON, Proprietors.

Growers of high grade Nursery Stock. We have to offer for fall 1910 and spring 1911, 100,000 Fine Two-Year Apple Trees and 30,000 Choice Three-Year-Old Apple Trees. Also 90,000 Peach Trees Standard Varieties. Prices reasonable. We solicit a share of your trade. Address.

BEVERLY,

OHIO

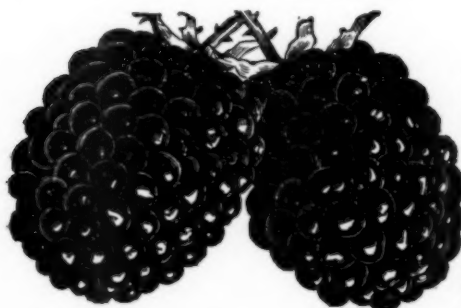
Whiting Nursery Co.

A general stock of hardy Northwestern Varieties that will succeed anywhere. It will pay you to get my Free Descriptive Catalogue. It is accurate, concise and original, and based upon 25 years' experience in South Dakota. The best of its kind in the Northwest to-day.

WHITING NURSERY CO.

Lock Box 1108,

Yankton, S. Dak.



EVERYTHING IN SMALL FRUIT PLANTS

ASK FOR PRICE LIST

W. N. Scarff,

New Carlisle, O.

Bumper Crop in Idaho

Boise, Idaho.—The Bumper fruit crop from the Boise, Payette and Weiser Valleys will net the raisers this year \$1,900,000 in profits and not less than 2000 carloads of fruit, consisting of apples, prunes, pears and peaches, will be shipped out of this district, according to estimates of Chas. J. Sinsel, the authority on fruit and extensive packer of this city, who has just returned from an inspection of the crop in the district.

Southern Nurserymen

Continued from page 34

Young, Greensboro, N. C.; J. E. List, Cohutta, Ga.; J. R. Wayhew, Waxahachie, Tex.; E. L. Worsham, State Entomologist of Georgia.

The Southern Nurserymen's association was organized at Chattanooga twelve years ago by a few energetic nurserymen, and has never missed an annual session. Its annual meetings have been held in various cities of the south, this being the first of its gatherings in Knoxville. The association has accomplished much good for its members, the southern nurserymen, and its territory comprises the richest peach-growing district of the national association, with which it is affiliated.

Visits were made to the Peters Nursery, five miles from Knoxville, and to the Bearden Ornamental Nursery.

"Called Satsuma"

That there is need of educational work in Indiana on the part of nurserymen and fruit growers, is shown by the following item from the Indianapolis Star of July 8:

"Two crates of plums of a variety never before seen on the local market were received by one of the Delaware street commission merchants yesterday. They come from Fresno, Cal., and are marked 'Satsuma,' presumably the name of the plum. The peeling is spotted with dark red and dark green, but the meat is blood red and somewhat dry. The consignee has written for information about the new fruit."

A New Berry

C. C. Strickland, at his farm near Gainesville, Fla., is experimenting with a new kind of fruit which he calls the "Garden Huckleberry." The berry in color is very much the same as the regular wild huckleberry, but is about four times as large. The fruit is very rare, only a few having seen it before.

Escondido, Cal., was prepared to hand its guests of Grape Day, September 9, nine tons of the choicest muscatel grapes ever grown.



The United States Nursery Co.

Roseacres, Coahoma County, Miss.

Cincinnati Iron Fence Co.

Our Work First Class



Largest Iron Fence Factory in Ohio

Get our prices before purchasing. Agents wanted in every town. Easy to sell. Address Dept. for prices. Cincinnati, Ohio

Grape Roots That Grow

Increase in Acreage and Varieties

We make a specialty of growing Grape Roots. Making strong grades and prompt shipments. We have heavy stock for Nurserymen's retail trade. Light stock and cuttings for nursery row. Write for special prices. Correspondence and inspection of stock invited. We are growing a large lot of Currants and Gooseberries.

FOSTER & GRIFFITH, Fredonia, N. Y.

We Offer

One Year Budded Apple In Commercial Varieties.

R. R. Harris, Harrisville, W. Va.

WE OFFER

A Nice Assortment of

JAPAN PLUM

CAROLINA POPLAR

and CALIFORNIA PRIVET

PEACHES

In one yr. and June Buds

Let us Price Your Wants on the Above Stock.

THE GREENBRIER NURSERY CO., Inc.

GREENBRIER, TENN.

Estimating the Value of Growing Stock

How to estimate the value of growing nursery stock was the subject discussed by Charles T. Smith and others at the Knoxville meeting of the Southern Nurserymen's Association. Mr. Smith said that the cost of grinding a bushel of wheat could be calculated from year to year to the fraction of a cent but that the nurseryman cannot tell what he is going to have to pay to raise a tree, and that his stock value is so indeterminate that the banker looks on tree growing as speculation. It's speculation, he remarked, as to whether or not the seed grows, as to whether summer blight strikes them, or the San Jose scale, and last, but not the least important, as to whether the nurseryman collects for what he has sold after he has safely raised it. The whole problem, he said, in answering this question, lies in raising the tree as cheaply as possible. He then asked if those present knew how many nurserymen had made a fortune which figures into the millions among the southern growers, and responded to his own question by saying that there is none. To the query he asked as to how many could make a living, he said that all present at the convention were in that class, and they were the fortunate ones out of twenty million southern people.

He then touched on tree sharks. The man who sets up a nursery to grow trees as an amateur and then sells faulty stock and makes his getaway to begin business somewhere else as an amateur, was referred to as a factor that necessitated laws being passed to regulate the business. He said that a man should have so many years' experience before he be allowed to enter business for himself, that he should be able to pass a rigid examination before the state board of entomology, and that the sincere men could protect themselves in that way.

In the discussion that followed, it developed that the Virginia law, which requires a payment of \$20, passed as a hindrance tax on inefficient men and sharks was paid by the tree sharks who continued to do business and pay the tax levied.

Mr. Smith said that trees do not cost just what they once did. Instead of paying fifty cents per day for labor, as was the case twenty years ago, the price has more than doubled. Mules that cost \$50 to \$100 now cost double and stock from which the tree is raised cost less than now. It was then questioned if the nurseryman was getting a proportionate advancement in prices for trees. He said that if the nurseryman is not getting twice as much, or more, he is badly losing.

"I've seen fields that cost \$1 per tree to produce. I've seen others that cost two cents apiece in production. One tree was as good as another," said Mr. Smith, "but some men are naturally skillful in producing a thing more cheaply than are some other men. More things are required of a nurseryman today. He must buy goods from one end of the country to the other, and unless he gets a good price for his product, he will be eternally sold out by the sheriff."

President Berckmans spoke briefly on the value of stock. He said that July was the proper time to take inventory in his locality.

Mr. Helkes said that he planted just as much as he could care for, and took a risk. A nurseryman almost always makes by a risk, he claimed. He says that young stock, in taking inventory, is figured at one-third what it is expected to be valued at in the fall.

New York State Package Law

R. A. Pearson, Commissioner of Agriculture for New York State, recently sent a letter throughout the state relative to the sale of apples, pears and peaches. It was mailed to prominent dealers, and the fruit associations through their secretaries.

One of its most important dictums is that it is a crime to misbrand fruits from other states as though coming from this state. It also defines what is meant by a barrel when used in transactions of purchases or sale of apples, pears and peaches, ruling that a barrel shall "represent a quantity equal to 100 quarts of grain or dry measure, and such barrels shall be of the following dimensions:



R. A. PEARSON
New York State Commissioner of
Agriculture.

sions: Head diameter, 17 1-8 inches; length of stave, 28 1/2; bulge, not less than 64 inches outside measurement.

Barrels not according to specifications must be labeled "Short barrel."

First violations are subject to a fine of not less than \$50 nor more than \$100, while second offenses are subject to a fine of not less than \$50 nor more than \$200.

"Aside from the honey they make, there are many reasons why I think every farmer should keep bees," says a writer in Minnesota Horticulturist. "In the pollenization of many plants and fruits, they do a work so useful, and so necessary, that in many cases we may safely say no bees, no fruit."

In AMERICAN FRUITS you get summaries of the news of the month from every corner of the continent. Readers of AMERICAN FRUITS cannot fail to be posted upon all that is going on in the Fruit and Nursery trade, and they must necessarily profit thereby.

Fortune in Chestnut Orchard

Penn Yan, N. Y.—According to Prof. Marsh, agricultural agent for the Northern Central railroad, land which is practically worthless, that can be seen in different portions of New York state, can be converted into a paying proposition, not only by growing alfalfa but he recommends to those who have hilly farms starting a chestnut orchard. Mr. Marsh visited a farm along the road for which he works that consisted principally of hills, on which the farmer, a Mr. Sober, had started a chestnut orchard that nets him a large annual income. The trees, he said, were grafted with the famous Sober paragon chestnut scions which in a few years produced nuts that were sold for \$6 per bushel.

The farm was previously covered with oak and chestnut and other varieties of trees that had been cut down and converted into lumber and the hills became one large brush farm. All the varieties of brush with the exception of the chestnut were cut out and the Sober paragon variety was then grafted in the native tree. This nut is almost five times the size of the native chestnut and is crisp and sweet, much superior to the Italian nut and its sprout is easily grafted on the native tree. The professor said that when the neighboring landowners heard that Sober was grafting chestnut they all thought he was crazy but he has lived to see them not only cease their ridicule, but to commence grafting chestnut groves of their own. He also said that the demand for chestnuts is in its infancy as they are an important part of the peoples' food in European countries, being not only eaten as nuts, but dried, ground into meal and used for bread.

The Nurserymen's Work

A feature of the paper by O. Joe Howard, Pomona, N. C., on "The Nurserymen's Part in Making This a Better Country," read at the Knoxville meeting last month, was the statement of requirement of trees for street decoration. The necessities of these were shown to be trees that were deep rooted, trees that will easily stand transplanting, and trees that will furnish a rich color for decorative effect.

President Berckmans said that the average city wants foreign stock. The sweet gum, tulip and poplar cannot be handled by the agent, because that once these trees are exposed so that the roots become dry, they are a loss to the owner. Another tree we don't appreciate, said Mr. Berckmans, is the Judas tree, or the redwine. This was recommended because of its rapid growth.

Mr. Berckmans urged that the tree grower look into the native sylvia and flora before jumping away and growing things that are novel, merely because they are foreign. He urged the doing away with the Carolina poplar and the Lombardy.

Mr. Helkes said that among the duties of the nurseryman and tree grower was the education of the public to love the native trees. It is a great mistake, he urged, to ship in stock.

American Pomological Society

The American Pomological Society will hold its next convention at Tampa, Fla., in connection with the meeting of the State Horticultural Society, January 31 to February 3. The Florida society has invited all kindred associations east of the Mississippi and south of the Ohio, and also from Cuba to join in the meeting. The Pomological Society offers a number of Wilder medals, and it is expected that this fact will influence many fruit growers to show. It is 21 years since the Pomological Society last visited Florida.

AMERICAN FRUITS brings to your desk monthly, news of the Fruit and Nursery Trade from all over the world with special reference to the news of America. It is both national and international in character. It is not for a single section. It is absolutely impartial, treating every part of the country without bias.

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Galvanized Steel Storage Tanks, for Oil, Water, Etc. Galvanized Steel Stock Watering Tanks. Galvanized Steel Tanks for Fire Protection, on Towers or Top of Buildings. Galvanized Steel Cisterns. Galvanized Steel Culverts. Corrugated Galvanized Steel Awnings. Galvanized Steel Sanitary Ash Pits. Iron and Steel Fencing, etc.

Let us know your requirements. Can fill them promptly at lowest prices. Illustrated catalog on request

J. M. COX STEEL TANK WORKS

2811 N. Jefferson Ave.
ST. LOUIS, MO.

Forty-five Hundred Cars of Belleflowers

And Newton Pippin Apples Each Year and Several Hundred Cars of Gravensteins and Other Varieties Produced Near Watsonville, Cal.----Apple Annual

By C. M. Jackson

WITH one million apple trees producing 4500 cars of Belleflower and Newton Pippins each year, not to mention several hundred cars of Gravensteins, and other varieties, the greater part of which are shipped to eastern and European markets; with 500,000 more trees coming into bearing next year, Watsonville, Cal., the metropolis of Pajaro Valley, without doubt the greatest apple growing section in the world, has decided on holding an ap-

ple show. The dates are October 10 to 15, both inclusive.

This exhibition will no doubt eclipse any previous event of like character ever undertaken anywhere. In a two-story pavilion erected from the proceeds of a bond issue of \$26,000.00 and financed by a popular subscription of \$10,000 more, fifty car loads, or 32,500 boxes—or bushels—of the finest fruit grown in local orchards, together with between ten or fifteen cars from additional localities in California, will be shown, or nearly 40,000 bushels all told.

The objects of this "Apple Annual"—for it is incorporated and will be held yearly hereafter—are to promote competition among growers, improve the quality of the pack by better selection and grading, and attract attention at the hands of buyers at home and abroad. Prizes have been offered in the various contests.

Already apple men from the producing states and foreign lands have signified their intentions to be present, and the event will be a largely attended one.

During the week of the show, all dining cars on all the roads composing the great Harriman System, and all steamers of the Pacific Mail lines and all Gulf of Mexico steamers will serve Jajaro Valley apples daily, at each meal, and in addition each hotel and restaurant in the leading cities will carry them on the menu.

Rates of one and one-third fare have been made, and special trains will also be run from the bay cities and from Los Angeles at one fare for the round trip.

Next year the "Apple Annual" will be made a national event, and the world challenged to compete with the Jajaro Valley section.

Fruit Growing Pays.

Dayton, Wash.—A fruit ranch of 240 acres near this town has just been sold for \$150,000. One hundred acres of it is in bearing orchard and thirty acres in young orchard.

The man who sold the ranch is J. L. Dumas, former president of the Washington Horticultural Society. Originally Mr. Dumas bought 140 acres of the land for \$3,950. Subsequently returns from his fruit business led him to purchase 100 acres additional. He pushed the business with diligence and in time his ranch came to have a world wide reputation. The sales from the orchard in the last three years are said to have exceeded \$100,000. It will be operated hereafter on a joint ownership plan and the three men who have purchased it will plant seventy acres more of it in fruit.

E. Y. Teas & Son, Centerville, Md., have been growing peonies for fifty years. Mr. Teas said recently: "Peonies are growing in popularity and beauty year by year. The older varieties, which graced the gardens of our forefathers, have, to a considerable extent, been supplanted by newer and more beautiful varieties, which are of recent development. They present an infinite variety of color, fragrance, form and habit."

Thomas E. Cashman, of Owatonna, has been appointed president of the Minnesota Horticultural society, to succeed Prof. Emanuel B. Green, deceased. Mr. Cashman is well known as a nurseryman, being president of the Clinton Falls Nursery Co. at Owatonna.

George E. McCollough, Burt, N. Y.—"Enclosed herewith find check for \$1.00 to pay for two years subscription renewal. Your paper is particularly interesting and instructive."

F. DELAUNAY ANGERS, FRANCE

SPECIALTIES

Fruit tree stocks as:

Apple, Angers Quince,
Mazzard Cherry Mahaleb
Myrobalan, Pears

Fores trees seedling and transplanted:

Evergreens, Ornamental Shrubs, Manetti,
Multifore Roses.

My General Catalogue will be sent free on application.

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English, Belgian and Holland Nurseries.

Write us for catalogues, stating what list you want

WE OFFER

For Fall 1910 and Spring
1911 Grape Vines, Currants
and Gooseberries in all
grades. Also Grape and Cur-
rant Cuttings and light grade
of Vines for lining out in
Nursery Rows

Write for Prices

F. E. Schifferli,

Fredonia, N. Y.

JEWELL Minnesota Grown NURSERY STOCK

Complete assortment of Fruit
and Ornamental stock in all va-
rieties suited to northern culture.
A specialty of Hardy Shade
Trees, Windbreak Stock, Ever-
greens (Coniferous), Deciduous
Shrubs, Apples and Native Plums

The Jewell Nursery Co.

Lake City, Minn.

Established 1868.

1600 Acres

BULBS AND EVERGREENS

Rhododendrons, Kalmias Lillies, Trilliums,
Cypripediums, Galax, Epigaea Repens, and
other ornamentals

Send for Catalogue and Price List

APPALACHIAN NURSERY,
PLUMTREE, N. C.



made that way. We mail goods all over the world. Twenty of our best customers are in Europe. The cut shows our Nursery Budder, sample by mail, 25c; 12 by mail, \$2.25. Pocket Budder, 35c. Nursery Pruner, sample, 50c; 6 for \$2.50. Grafting Knife, 25c. Forged Steel Pruning Shears, \$1.00, postpaid. Nursery and Florists' Propagating Knife, white handle, 50c. A much inferior knife is sold for 75c. Send for 12 page nursery circular.

L. S. Pease of Lockport, writes us April 7: "The Propagating Knives you sent me are very fine goods and far better than I can get anywhere else. My men are well pleased with them too. You will get all my trade."

MAHER & GROSH CO.

92 A Street, TOLEDO, OHIO

Nurserymen's 'Nives

We have been selling direct to nur-
serymen since '77. Our blades are

made by hand forged and warranted; if we can learn how to make them better they will be made that way. The cut shows our Nursery Budder, sample by mail, 25c; 12 by mail, \$2.25. Pocket Budder, 35c. Nursery Pruner, sample, 50c; 6 for \$2.50. Grafting Knife, 25c. Forged Steel Pruning Shears, \$1.00, postpaid. Nursery and Florists' Propagating Knife, white handle, 50c. A much inferior knife is sold for 75c. Send for 12 page nursery circular.

Colorado Orchards Not Producing Capacity

Should be Returning Nearly One Thousand Dollars Per Acre----Comparison with Germany's Methods

By D. G. L. Knapp

I DO not see why we cannot use by products as well as the Germans: I do not see why we cannot sort and pack with greater care, and make money by it; and it is pretty nearly certain that our trees would be the better for a judicious cropping between the rows. Our own state agricultural college, I remember, has sounded a warning against the "clean cultivation" which was so long our particular fad. A crop of small fruits or vegetables between the rows would shade the ground, check evaporation, and help to keep the earth from packing. Jack Crowley sticks to the proposition that he would rather have weeds in his orchard than nothing; and without doubt he is right. But there are better crops than weeds.

We have been growing fruit in Colorado for less than twenty years; and already, in many things, we have gone far ahead of one of the oldest and most methodical fruit growing nations in the world. This is much, but it is just a start in the right direction; and every step we take on the forward road will be a step well paid for. A Colorado orchard is good enough to be worthy of the best thought and the best care that can be given it.

Interesting Figures Quoted

We shall never have orchards rated at prices like those put on the Schloss Johannisberg and Steinberg vineyards. But leaving out of the question a dozen vineyards whose products can be judged only by connoisseurs and bought only by millionaires, I believe the net profits of a Colorado apple orchard are nearly as large as those of a German vineyard. It would take weeks to

gather data for an exact comparison; but here are some figures which will help.

In an average year, the Schloss Johannisberg yields about 2,400 liters of wine per hectare, or 1090 to the acre. Aside from a few choice vineyards I have spoken of, it is doubtful if the price of wine to the vine-grower is as much as four marks, or \$1 per liter; I believe three marks is nearer the truth. Call it four, and you have a gross income of \$1,000 per acre; at three, the gross income is \$817.50 per acre.

I was told last winter that the average check of the Grand Junction fruit grower's association was about \$500 per acre. Raising apples is surely a much cheaper thing than making wines. It requires less capital, less labor, and one waits much less time for his money. Also, the vines take up the land absolutely; while the apple grower can raise a profitable crop between his rows. An apple orchard in Colorado, well located and well cared for, will yield dollar for dollar with any but a handful of the choice vineyards of Germany.

Netted Owner \$1,900

Escondido, Cal.—The highest price paid for Escondido lemons has been \$2,200 a car as compared with \$1,700 last year. The \$2,200 carload meant a little better than \$1,900 to the grower. Prices ruled low earlier in the season. The high average price for the season is likely to encourage the planting of more lemon trees, as well-informed orchardists declare there are yet many acres in the valley and tributary country adapted to lemon culture.

Raspberries Big as Quarter Dollars.

William A. McKenzie, special census agent for Alaska, reports:

"During the summer months the ground in the Fairbanks district and, in fact, all over interior Alaska thaws less than 3 feet, and generally not more than 15 to 20 inches. Everything grown and harvested must be sown, grown, and harvested between May 20 and September 15. This condition of wonderful growth is brought about by the fact that the ground is all virgin in character; requires little dressing of fertilizer; and there are from sixteen to twenty-four hours of daylight and from fifteen to twenty-four hours of sunshine during these months. The ground being covered with snow entirely the balance of the year, the slow process of thaw and the dampness remaining at the 15-inch depth and on down creates the necessary moisture for the rapid and wonderfully luxuriant growth everything enjoys. Rain is almost unknown in the interior of Alaska and the necessary moisture for crops comes entirely from below the surface of the ground.

"Raspberries of the size of quarter dollars, blueberries, and cranberries grow wild in profusion, the two latter in such quantities as to warrant every family having a plentiful supply for the long winter months at practically no effort beyond the gathering. No pretense is made to cultivate the growth of these berries. Some experiments with strawberry plants have been made, but so far with little success, although the lessons learned will this coming season warrant a good growth in this district."

The Best Tree Digger on Earth



Write for Descriptive Circular and Prices

STARK BROS.

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1910 Edition

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† Contains Names of Nurserymen who are Actually in Business in Every State in the Union and in Canada.

Price, \$1.00

5 YEARS' use has proven that SAN JOSE SCALE and all FUNGUS diseases, controllable during the dormant season, are absolutely controlled by the use of

"SCALECIDE"

There is but one—"PRATTS" trade mark, Reg. U. S. Pat. off.

Prices: In barrels and half barrels, 50c per gallon; 10 gallon cans \$6.00; 5 gallon cans, \$3.25; 1 gal. cans \$1.00. If you want cheap oils our "CARBOLEINE" at 30c per gallon is the equal of ANYTHING ELSE. Send for free booklet, "The Whys and Wherefores of Fall Spraying."

B. G. PRATT COMPANY, Mfg. Chemists
50 CHURCH, ST., NEW YORK CITY

New Source of Wealth in Little Delaware

DELAWARE, long considered one of the greatest peach-growing states in the union, has awakened to the fact that its laurels have faded. Realization of the fact was forced on the residents of the hardy little state with the discovery that Delaware's soil was relinquishing its peculiar peach growing virtue. For several years the only peach news that has come from Delaware has been the annual announcement that "the crop has failed."

Simultaneously, however, with the discovery that Delaware soil would no longer raise good peaches came the discovery that it would raise apples and "corking" good ones at that. At once ensued experiments on an increasing scale. Orchardists, experts in pomology and interested private residents of the state now see a new future before Delaware, and in the light of recent competitions have virtually issued a challenge to the rest of the union to beat them in apple culture.

The new project, which means many millions in wealth to little Delaware, was recently startlingly preached to the Peninsula Horticultural society by Prof. C. B. Close, of Maryland, accounted one of the most expert in his specialty.

The most impressive feature of the wholesale faith Delaware has in its apple future has been the chartering of a half-million-dollar company, the Delaware Apple company, promoted by Henry Ridgely Harrington, who is the state librarian.

The apples the company undertakes to grow have behind them the record of Delaware and Maryland apples shown at the Council Bluffs, Iowa, competition, where

they took 28 out of the 33 prizes in rivalry with Washington, Colorado, Idaho; in fact all the rest of the United States.

They have much more practical, reliable profits to quote as precedents. There, for instance, is the wonderful achievements of Francis M. Soper, the famous "apple king," who for ten years past has been taking \$1,000 cash for the crop of only 75 trees. Then there is the Rev. Alfred Smith, whose marvelous colored apples bring him rich returns. E. H. Bancroft & Son raise \$10,000 worth of apples every year.

There is a single orchard, of only 40 trees, that produced 202 barrels, which sold at \$10 per barrel. Go to the finest fruit stores of Philadelphia and New York and you can see, packed in the aristocratic boxes which proclaim their formal rivalry with the west and the east, the now conquering fruit of Delaware orchards.

Never Had Wormy Fruit

H. J. Ludlow, discussing apples at a recent meeting of the Minnesota State Horticultural Society, said:

"I do not have wormy apples. When I take a lot of apples to town I say to my customers, 'I will give you a dollar if you find a worm in that lot of apples.' I do it with my sheep. My farm is run by two cranks—I am the fruit crank and my boy is the stock crank. We work together very harmoniously. My sheep are as nice a flock as I ever saw. I put my sheep in the orchard once a week through the season, and when they get through with the orchard every weed is taken out, and it looks as though the lawn mower had run over it twice a week. It leaves no room for eggs of insects to lie over in the cold of winter. I never have any wormy fruit.

"What makes me think this is the reason is that one of my neighbors who has more of an orchard than I have and more wealthy apples, and who in the past has grown just as nice apples as anybody, has of late years not had the success I have had. He sold his place last year, and I saw the man who picked the apples from the trees. They were fine looking apples, but they told me when I was there last Saturday that there was not an apple but had from three to five worms in it. That orchard was left to take care of itself. It is full of nettles, morning glories, and everything of that kind, and it is almost impossible to get into the orchard. The trees look nice and thrifty, but it proves to me there is left a place for insects to lay their eggs, and it offers them a shelter."

Jersey Peaches In St. Louis

Burlington, N. J.—New Jersey's peach crop this year promises to be a record breaker, said a grower on Aug. 1. Scientific cultivation has made crop failures from any cause but the weather a thing of the past, and the problem which the farmers now have to face is getting their product to market.

It will be the biggest job ever undertaken by the shipping agents of New Jersey railroads. Special schedules are being arranged for fast refrigerator freights and fruit express trains, and lines in other States are being taxed for cars to handle the shipments. In previous years most of this fruit has been shipped direct to Philadelphia or New York, where it found local market or was distributed by commission houses.

Fast freight trains made up of refrigerator cars this year will haul the fruit as far west as Chicago and St. Louis, while some of it is already ordered from houses in fruit-growing New England. Growers declare the crop is too big for Philadelphia and New York to handle alone.

The Arrowfield Nursery Co., Petersburg, Va., has incorporated with a capital of \$2500 to \$25,000. W. N. Roper is president; Edith M. Hutt, vice-president; W. N. Hutt, secretary and treasurer.

Main Causes of Failure

Replying to a question as to cause of failures in orcharding in Minnesota, E. A. Smith, vice-president of the Jewell Nursery Co., Lake City, Minn., said:

"Our observation is that one of the principal causes is neglect on the part of the owner of the orchard. In our locality we spray twice. We have people around us who, about the time apples are ready to pick, begin to look around for a market; as a consequence the apples are left on the ground to rot. That time is too late to think about marketing. Barrels should be purchased in the spring, the grower should procure pickers, and other necessary arrangements should be made, and if all these things are done in season there will be no trouble in selling the fruit at a good price. In our own orchards we had some five thousand bushels of apples; not far away there were some people trying to get us to take their apples off their hands at 25 cents a bushel. They had fallen on the ground. It was simply neglect on their part that they did not get their apples to market and get a good price for them. Neglect is the chief cause of failure."

Is it not true that these conditions exist in many places as well as in Minnesota?

Columbus and Colorado men have organized the Colorado Orchards Development Company, incorporated under the laws of Colorado, with general offices in Denver and a branch office in Columbus and will handle irrigated orchard lands in Colorado in three, five and 10-acre tracts.

The Westminster Nursery

Westminster, Md.

Growers of general assortment of high grade nursery stock. Very large surplus of Peach, California Privet, Berry Plants, Locust and Catalpa Seedlings etc., etc. Mail your want list for prices.

GRAVES PEACH

An Early Yellow Freestone

Ripening a week before Crawford's Early. Trees from the originator have seal attached. Prices free.

ORIGINATOR

W. J. GRAVES,

Painesville, Ohio

Fletcher & Harrison Nurseries

Largest Exclusive Wholesale Peach Tree Nursery in the World
CLEVELAND, TENNESSEE

We ship in car lots to 39 states and to Canada and Mexico.

90 ASSORTMENTS OF ONE YR. PEACH
Special prices to the trade. Write for prices

Our Motto: Careful Growing, Digging, Grading and Packing.

PRIVET-NUT TREES

1,000,000 Privet, 12 varieties.

40,000 Nut Trees

10,000,000 Hardwood Cuttings. Do you want to save money? Write us for prices

OAK LAWN NURSERY

Huntsville, Ala.

—THE— Xenia Star Nurseries XENIA, OHIO

WHOLESALE GROWERS OF
APPLE, PLUM, PEAR, PEACH,
CHERRY, QUINCE, SHADE and
ORNAMENTAL TREES, EVER-
GREENS, SHRUBS and ROSES

SEED POTATOES

Carload Lots a Specialty

Raspberry, Blackberry Strawberry Plants

We have a complete assortment. Will be glad to figure on your want-list for Fall 1910

Personal Inspection Cordially Invited.

Xenia Star Nurseries XENIA, OHIO

500 Acres

The Southwestern Nursery Company
Okemah, Oklahoma

WE WILL HAVE A FINE LOT OF
1-YEAR APPLE, PEACH, PLUM AND BUDDED ROSES,
2-year California Privet, Carolina Poplars
and Catalpa Speciosa. Everything extra fine.
Will be able to ship late Fall or early Spring.

BROWN TURKEY FIGS

ASPARAGUS, 1 Yr.

SEEDLING PECANS

PEACH TREES

PARAGON and JAP. DWF. CHESTNUTS

JAPAN WALNUTS

NORWAY SPRUCE

ROSES

PEACH PITS

J. Van Lindley Nursery Co.

Pomona, N. C.

Stock Wanted

500 Horsechestnut, good specimens, 3 in. or 3 to 4 in. Caliper
1000 Platanus Occidentalis good specimens, 2 1-2 to 3 in.
Caliper and up.

300 Elms, good specimens, 5 in. to 7 in. Caliper
Also Specimens Ranging from 2 1-2 to 4 in. caliper per 100 of

NORWAY MAPLE

AMERICAN ELM

WHITE ASH

PIN OAK

RED OAK

SCARLET OAK

ORIENTAL PLANE

AILANTHUS

GINGKO

EUROPEAN ASH

LINDENS

RED MAPLE

and other good large trees in quantity.

Send special offers on above and of any other
first grade ornamentals on which you can quote
special prices. Also your trade lists soon as issued

F. W. Kelsey Nursery Co.

150 Broadway, New York

WAXAHACHIE NURSERY COMPANY

J. R. MAYHEW, President

Offers the trade a **FINE BLOCK** of 2-year old apples, standard sorts.

CHERRY, 1 and 2 year, all grades. **Special Prices** on car load of Cherry.

PEACH, 1 year and June Buds. Surplus largely in heavy grades.

APRICOT and PLUM, a small surplus in heavy grades.

CALIFORNIA PRIVET, 30,000 1-2 ft.; 50,000 2-3 ft.; 40,000 3-4 foot.

CATALPA and BLACK LOCUST, seedlings, all grades.

EVERGREENS, ROSES, SHADE TREES, ETC.

GRAPE, BLACKBERRY, DEWBERRY.

Our surplus is for sale. Let us quote you.

Waxahachie Nursery Company

WAXAHACHIE, TEXAS

Now is the time to figure **Spring 1911**
on your wants for

We are ready to quote lowest prices on **Ornamental Trees, Shrubs, and Tree Seedlings** for **FALL DELIVERY, 1910.** If in need of genuine **Catalpa Speciosa** or **Black Locust Seedlings**, write for prices. We have them in any quantity.

The Willadean Nurseries

Warsaw, Kentucky

FRUIT TREE STOCKS

Our wholesale trade list, quoting prices for all sizes and sorts of fruit tree stocks, as well as **Ornamental Stocks**, is now distributed. In case you have not received it, ask for the same. It is mailed free on application.

WE HAVE NO AGENTS

WRITE DIRECT TO US

TRANSON BROTHERS & D. DAUVESSE'S NURSERIES

BARBIER & COMPANY, Successors

16 Route d'Olivet

Orleans, France

Heikes-Huntsville-Trees

HUNTSVILLE WHOLESALE NURSERIES



Huntsville, Ala.

For the Fall of 1910 and Spring of 1911
We Offer

Apples, Pears, Plums, Cherries,
Peaches, Roses, Pecans, and
Magnolia Grandifolia

In Large Quantities as Usual

See Our Price List for Particulars.

Address, **W. F. HEIKES, Mgr., Huntsville, Ala.**

Vincennes Nurseries

W. C. REED, Prop.

Vincennes, Ind.

Leading Specialties for Fall 1910 and Spring 1911

Cherry, 2 year $\frac{3}{4}$ to 1 inch and 1 inch up. These are best Block we have ever grown
Cherry, one year, all leading varieties, strong on Sweets such as Bing, Lambert, Luelling and other Western sorts
Standard and Dwarf Pear, one and two year
150,000 Apple one year, strong on leading commercial sorts
10,000 Quince, one and two year
30,000 Plum, one and two year on Plum and Peach Roots
150,000 Peach, one year, all leading varieties
5,000 Norway Spruce 2 to 3 and 3 to 4 feet
Also general line of other stock. Personal inspection invited
Our Blocks of Cherry are among the largest in the country.
None better

PEACH SEED

I have about 50 bushels 1909 crop of
Natural pits in perfect condition that
I can yet spare. First order gets them.

JOHN A. YOUNG

GREENSBORO NURSERIES

GREENSBORO, N. C.

French Nursery Stocks

Fruit Tree Seedlings and Ornamentals

Pear, Apple, Plum and Cherry and Angers Quince Cuttings grown for the American trade. Pear and Crab Apple Seeds. Most complete assortment of Ornamental Stocks, Trees and Shrubs. Orders solicited and booked now at low rates.

E. T. DICKINSON, Chatenay,
Seine, France

GEO. E. DICKINSON, 1 Broadway, New York

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Descriptive Catalogue for Nurserymen

Carefully revised, new varieties added, new halftone illustrations and a handsome new lithographed cover.

Sample 15c. \$8.50 per hundred, with your card printed on the cover

Rochester Lithographing Co.

ROCHESTER, N. Y.

THE L. Green & Son Co.

Perry, Lake Co., Ohio

Specialties for Fall 1910

Fine line of 2-yr. Std. Pear 1-2 to 5-8 in. and 5-8 to 3-4 in., strong on Bartlett's. Also Cherry, all grades. 2-yr. Concord Grapes.

Catalpa Speciosa 8-10 ft.; American Elm 8-10 and 10-12 ft.; Horse Chestnut, 5-6 ft.; Magnolia *Accuminata*; Norway Maple; Silver Maple; Car. Poplars under 1 - 1-2 in.

A good assortment of shrubs and a nice collection of ornamentals.

Let us figure on your wants before placing your orders

Franklin Davis Nursery Co

BALTIMORE, MD.

We offer for FALL 1910 and SPRING 1911.

APPLE—One and two year; heavy on York Imperial, Stayman's Wine sap, Blacktwig, Grimes Golden and other standard varieties.
PEAR—Standard—Kieffer, 2 and 3 year, and other leading kinds.

PEACH—Expect our Peach to be fine; we have a heavy stock and will book orders for several carloads now. Peach are bound to advance. We are heavy on Elberta, Carmen, Crawford's Late, Old Mixon Free, Stump, Beer's Smock, etc., etc.

ASPARAGUS—1 and 2 year; Palmetto, Barr's, Conover's, Giant.
CHERRY—2 year, leading varieties.

PRIVET—1 and 2 year, a fine lot of heavy No. 1 plants.

POPLARS—A fine lot of Carolina and Lombardy in all sizes, by the carload.

PLANES—A fine lot of Oriental Planes in all sizes.

CATALPA SPECIOSA—Several thousand at a low price.

ELMS, AMERICAN—Several hundred nice trees.

WALNUTS, JAPAN—In all sizes.

EXTRA LARGE BUSHY SHRUBS—Such as Altheas, Weigelas, Spiraeas, Dentzas, Snowballs, Judas, Hydrangea F. G.

EXTRA LARGE SUGAR MAPLES—Several hundred 3 to 3½ and 4 to 4½

inches, fine trees, with good heads and straight bodies.

We also have a general line of other stock. Send us YOUR WANT LIST.

FAIRFIELD NURSERIES

FRUIT AND SEED FARMS

OFFER FOR FALL, 1910—Grape Vines, one and two years old, varieties largely Moore's Early, Concord and Niagara. Also Scarlet or Crimson Clover Seed and Cow Peas. Free from weed seeds, recleaned and guaranteed first class.

Correspondence Solicited.

Price List Upon Request.

CHARLES M. PETERS

P. O. Address, SALISBURY,

Wicomico Co., MD.

R. F. D. 3

Long Distance Phone and Telegraph, Salisbury, Md.



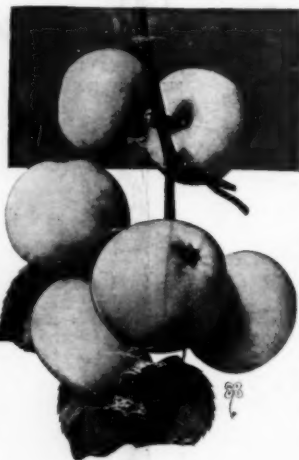
Whether Your Customers Want One Apple Tree or a Thousand, You Should Give Them the Best You Can Get—

And that means HARRISON'S Apple Trees! You know apple trees have been worth good gold for the past year or two—hard to get, and high-priced, and so on—but we've been growing them for you and your trade by the ten thousand, as you will see from the following list.

You know that our methods and our facilities for growing apple trees are away above the average, and that our stock is away above the average, too. We've been growing standards and dwarfs for years, and selling them to successful growers everywhere. Their orchards are evidence that our trees are grown right, and that they bear big, profitable crops when they come to maturity.

The illustration above shows an orchard in

West Virginia, planted with trees which we grew and supplied. This orchard contains 50,000 trees, and, although it is still quite young, the trees are already in successful and profitable bearing.



Arrange to supply *your* trade next season with some of the stock we're offering in the following list. It's all clean, healthy, well-grown, reliable—the kind you'll be proud to send out, and your customers to have. But, in spite of the fact that we're offering such a large stock, the best part of it will soon be taken. You don't find such good trees as these every day, and the demand is going to be correspondingly heavy.

Scan the list, therefore, and let us know your wants right away—while the stock is good. We'll gladly quote prices, and give full particulars, by return mail.

SURPLUS LIST

2-year buds	1-year buds	2-year buds	1-year buds	2-year buds	1-year buds
500.....Opalescent.....	500	200.....M. B. Twig.....	2,000	1,000.....Ey. Harvest.....	5,000
500.....Yellow Belleflower.....	500	500.....Baldwin.....	5,000	1,000.....Red Astrachan.....	5,000
400.....Missouri Pippin.....	400	10,000.....Yel. Trans.....	10,000	500.....Gravenstein.....	
500.....Early Strawberry.....	500	1,000.....Grimes Golden.....	10,000	1,000.....Wm. Ey. Red.....	1,000
100.....Sweet Bough.....	500	1,000.....Ben Davis.....	10,000	1,000.....Gano.....	3,000
500.....Wolf River.....	500	500.....York Imperial.....	20,000	1,000.....Winesap.....	8,000
1,000.....Stark.....	1,000	500.....N. W. Greening.....	1,000	.....Paradise Winter Sweet.....	1,000
500.....R. I. Greening.....	1,000	100.....McIntosh Red.....	10,000	.....Fall Pippin.....	500
2,000.....Golden Beauty.....		500.....Wealthy.....	3,000	.....Stayman's.....	12,000
2,000.....Transcendent.....	200	.....Rome Beauty.....	7,500	.....Jonathan.....	5,000
2,000.....Hyslop.....	200	500.....Dutchess.....	5,000		

Sixty-two other leading varieties, ranging from one hundred to five hundred each

2-year	1-year
3,000.....Red June.....	1,000
2,000.....Burbank.....	500
2,000.....Wickson.....	1,000
1,000.....Abundance.....	1,000

PEARS

500.....Clapp's.....	500
500.....Flemish.....	
2,000.....Garber.....	2,000
2,000.....Le Conte.....	2,000
20,000.....Bartlett, 20,000 3-year.....	10,000
10,000.....Kieffer, 5,000 3-year.....	20,000

2-year	1-year
1,000.....Yellow Spanish.....	500
2,000.....Black Tartarian.....	2,000
1,000.....Gov. Wood.....	2,000
2,000.....Napoleon.....	2,000
500.....Schmidt.....	100
300.....May Duke.....	300
500.....Wragg.....	100
300.....Olivet.....	
300.....Late Duke.....	
1,000.....Baldwin.....	
8,000.....Montmorency.....	5,000
16,000.....Ey. Richmond.....	10,000

2,000 Quince—1-year and 2-year.
Norway Maple—200 2-in., 2,000 1½-in., 3,000 1¼-in., 5,000 1-in., 10,000 ¾-in.
Koster's Blue Spruce—15,000 12 to 15-in., 1,000 18 to 24-in.
Colorado Blue Spruce—1,000 12 to 15-in., 100 2-ft., 50 4-ft.
Norway Spruce—1,000 6-ft., 2,000 5-ft., 3,000 4-ft., 4,000 3-ft., 5,000 2-ft.
Silver Maple—500 2-in., 5,000 1½-in., 3,000 1-in., 10,000 ¾-in.
Box Elder—1,000 2-in., 500 1½-in., 500 1-in.
American Black Ash—1,000 1½-in., 500 1-in.

Carolina Poplar—1,000 1¼-in., 1,000 1-in., 1,000 ¾-in.
American Linden—1,000 1-in.
American Elm—1,000 1-in.
California Privet—50,000 1 to 2-ft., 50,000 18 to 24-in., 2-year; 50,000 2 to 3-ft., four branches; 50,000 3 to 4-ft., 3-year, five branches; 50,000

4 to 5-ft., 3-year, six branches; 10,000 5 to 6-ft., 3-year, seven branches and up.
Blue Cedar—1,000 2-ft.
5,000 Baby Ramblers—3-year.
50,000 Barberry Thunbergii—18 to 24-in.
1,000 Azaleas—1-ft., and up.
1,000 Rhododendrons—18-in. and up.
Bay Trees—5-ft. and up. Hemlock Spruce—5-ft. and up.
Grape—15,000, Moore's Early, transplanted, well-rooted, and good crop.
70,000 Concord, 1-year.
70,000 Concord, 2-year transplanted.

Harrison's Nurseries
J. G. HARRISON & SONS PROPRIETORS
BERLIN MARYLAND